

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptasxml624

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAY 01	New CAS web site launched
NEWS	3	MAY 08	CA/CAPplus Indian patent publication number format defined
NEWS	4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	7	MAY 21	CA/CAPplus enhanced with additional kind codes for German patents
NEWS	8	MAY 22	CA/CAPplus enhanced with IPC reclassification in Japanese patents
NEWS	9	JUN 27	CA/CAPplus enhanced with pre-1967 CAS Registry Numbers
NEWS	10	JUN 29	STN Viewer now available
NEWS	11	JUN 29	STN Express, Version 8.2, now available
NEWS	12	JUL 02	LEMBASE coverage updated
NEWS	13	JUL 02	LMEDLINE coverage updated
NEWS	14	JUL 02	SCISEARCH enhanced with complete author names
NEWS	15	JUL 02	CHEMCATS accession numbers revised
NEWS	16	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	17	JUL 16	CAPplus enhanced with French and German abstracts
NEWS	18	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	20	JUL 30	USGENE now available on STN
NEWS	21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	22	AUG 06	BEILSTEIN updated with new compounds
NEWS	23	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	24	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	25	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	26	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	27	AUG 27	USPATOLD now available on STN
NEWS	28	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS EXPRESS	29	JUNE 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 21:45:37 ON 31 AUG 2007

=> FIL REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 21:45:45 ON 31 AUG 2007

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 AUG 2007 HIGHEST RN 945894-95-1

DICTIONARY FILE UPDATES: 30 AUG 2007 HIGHEST RN 945894-95-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

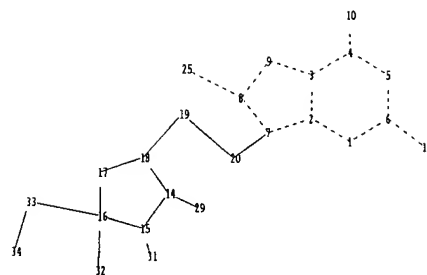
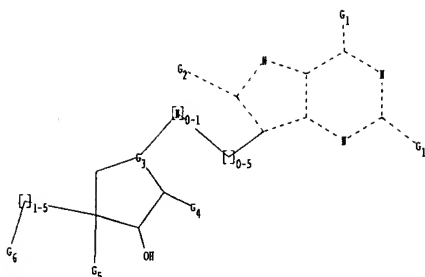
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10524995.str



chain nodes :

10 12 19 20 25 29 31 32 33 34

ring nodes :

1 2 3 4 5 6 7 8 9 14 15 16 17 18

chain bonds :

4-10 6-12 7-20 8-25 14-29 15-31 16-32 16-33 18-19 19-20 33-34

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9 14-18 14-15 15-16 16-17 17-18

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 4-10 5-6 6-12 7-8 7-20 8-9 8-25 14-18

14-15 14-29 15-16 15-31 16-17 16-32 16-33 17-18 18-19 19-20 33-34

isolated ring systems :

containing 1 : 14 :

G1:H,O,S,N,Cl,Br,F,I,CH3

G2:X,C,Cy,OH,S,N

G3:C,N

G4:H,OH,CH3

G5:H,Cl,Br,F,I,OH,CH3

G6:H,O,S,CH3,OH,X

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

12:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 25:CLASS

29:Atom 31:CLASS 32:CLASS 33:CLASS 34:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> sll sam

SL1 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s l1 sam

SAMPLE SEARCH INITIATED 21:46:37 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 805 TO ITERATE

100.0% PROCESSED 805 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

 BATCH **COMPLETE**

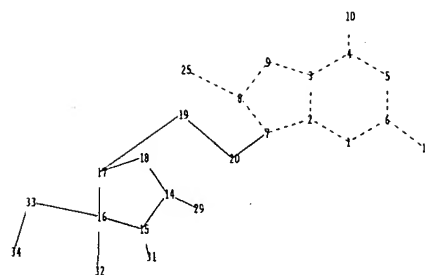
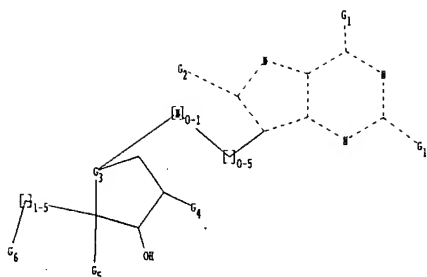
PROJECTED ITERATIONS: 14398 TO 17802

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=>

Uploading C:\Program Files\Stnexp\Queries\10524995a.str



chain nodes :

10 12 19 20 25 29 31 32 33 34

ring nodes :

1 2 3 4 5 6 7 8 9 14 15 16 17 18

chain bonds :

4-10 6-12 7-20 8-25 14-29 15-31 16-32 16-33 17-19 19-20 33-34

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9 14-18 14-15 15-16 16-17 17-18

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 4-10 5-6 6-12 7-8 7-20 8-9 8-25 14-18
14-15 14-29 15-16 15-31 16-17 16-32 16-33 17-18 17-19 19-20 33-34

isolated ring systems :

containing 1 : 14 :

G1:H,O,S,N,Cl,Br,F,I,CH3

G2:X,C,Cy,OH,S,N

G3:C,N

G4:H,OH,CH3

G5:H,Cl,Br,F,I,OH,CH3

G6:H,O,S,CH3,OH,X

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 25:CLASS
29:Atom 31:CLASS 32:CLASS 33:CLASS 34:CLASS

L3 STRUCTURE UPLOADED

=> d l3

L3 HAS NO ANSWERS

L3 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l3 sam

SAMPLE SEARCH INITIATED 21:48:06 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 805 TO ITERATE

100.0% PROCESSED 805 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

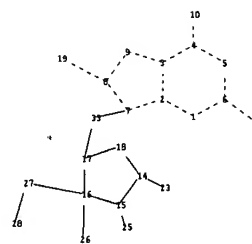
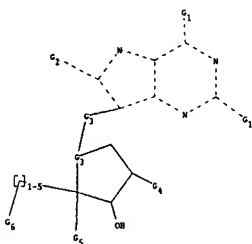
PROJECTED ITERATIONS: 14398 TO 17802

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=>

Uploading C:\Program Files\Stnexp\Queries\10524995b.str



chain nodes :

10524995.trn

10 12 19 23 25 26 27 28 33

ring nodes :

1 2 3 4 5 6 7 8 9 14 15 16 17 18

chain bonds :

4-10 6-12 7-33 8-19 14-23 15-25 16-26 16-27 17-33 27-28

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9 14-18 14-15 15-16 16-17 17-18

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 4-10 5-6 6-12 7-8 7-33 8-9 8-19 14-18

14-15 14-23 15-16 15-25 16-17 16-26 16-27 17-18 17-33 27-28

isolated ring systems :

containing 1 : 14 :

G1:H,O,S,N,Cl,Br,F,I,CH3

G2:X,C,Cy,OH,S,N

G3:C,N

G4:H,OH,CH3

G5:H,Cl,Br,F,I,OH,CH3

G6:H,O,S,CH3,OH,X

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 23:Atom 25:CLASS
26:CLASS 27:CLASS 28:CLASS 33:Atom

L5 STRUCTURE UPLOADED

=> d 15

L5 HAS NO ANSWERS

L5 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 15 sam

SAMPLE SEARCH INITIATED 21:49:31 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 116 TO ITERATE

100.0% PROCESSED 116 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1674 TO 2966

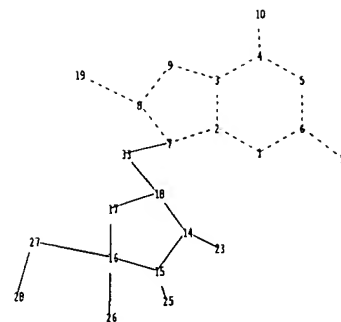
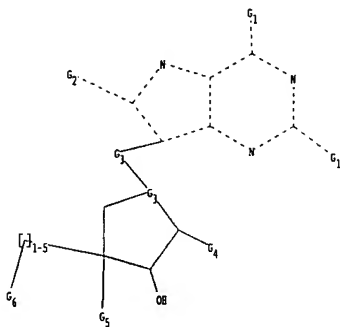
PROJECTED ANSWERS: 0 TO 0

10524995.trn

L6 0 SEA SSS SAM L5

=>

Uploading C:\Program Files\Stnexp\Queries\10524995c.str



chain nodes :

10 12 19 23 25 26 27 28 33

ring nodes :

1 2 3 4 5 6 7 8 9 14 15 16 17 18

chain bonds :

4-10 6-12 7-33 8-19 14-23 15-25 16-26 16-27 18-33 27-28

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9 14-18 14-15 15-16 16-17 17-18

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 4-10 5-6 6-12 7-8 7-33 8-9 8-19 14-18
14-15 14-23 15-16 15-25 16-17 16-26 16-27 17-18 18-33 27-28

isolated ring systems :

containing 1 : 14 :

G1:H,O,S,N,Cl,Br,F,I,CH3

G2:X,C,Cy,OH,S,N

G3:C,N

G4:H,OH,CH3

G5:H,Cl,Br,F,I,OH,CH3

G6:H,O,S,CH3,OH,X

10524995.trn

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 23:Atom 25:CLASS
26:CLASS 27:CLASS 28:CLASS 33:Atom

L7 STRUCTURE UPLOADED

=> d 17

L7 HAS NO ANSWERS

L7 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 17 sam

SAMPLE SEARCH INITIATED 21:50:46 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 116 TO ITERATE

100.0% PROCESSED 116 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

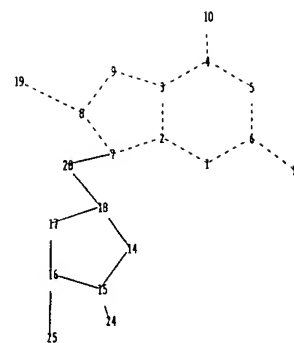
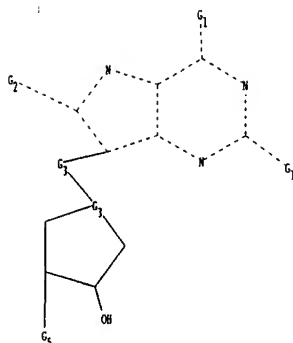
PROJECTED ITERATIONS: 1674 TO 2966

PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=>

Uploading C:\Program Files\Stnexp\Queries\10524995d.str



chain nodes :

10 12 19 24 25 28

ring nodes :

1 2 3 4 5 6 7 8 9 14 15 16 17 18

chain bonds :

4-10 6-12 7-28 8-19 15-24 16-25 18-28

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9 14-18 14-15 15-16 16-17 17-18

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 4-10 5-6 6-12 7-8 7-28 8-9 8-19 14-18
14-15 15-16 15-24 16-17 16-25 17-18 18-28

isolated ring systems :

containing 1 : 14 :

G1:H,O,S,N,Cl,Br,F,I,CH3

G2:X,C,Cy,OH,S,N

G3:C,N

G4:H,OH,CH3

G5:H,Cl,Br,F,I,OH,CH3

G6:H,O,S,CH3,OH,X

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 24:CLASS 25:CLASS
28:Atom

Page 10

L9 STRUCTURE UPLOADED

=> d 19

L9 HAS NO ANSWERS

L9 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 19 sam

SAMPLE SEARCH INITIATED 21:51:51 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 165 TO ITERATE

100.0% PROCESSED 165 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

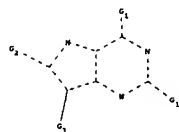
PROJECTED ITERATIONS: 2530 TO 4070

PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L9

=>

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chain nodes :

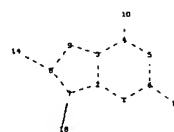
10 12 14 18

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

4-10 6-12 7-18 8-14



10524995.trn

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 4-10 5-6 6-12 7-8 7-18 8-9 8-14

isolated ring systems :

containing 1 :

G1:H,O,S,N,Cl,Br,F,I,CH3

G2:X,C,Cy,OH,S,N

G3:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

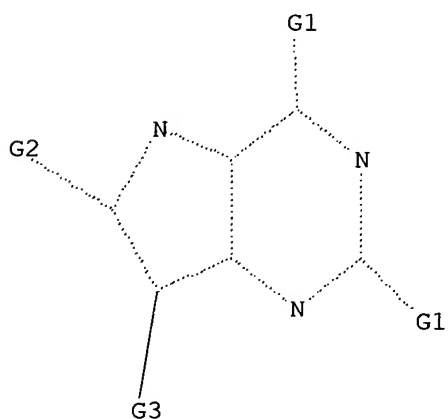
12:CLASS 14:CLASS 18:CLASS

L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 STR



G1 H,O,S,N,Cl,Br,F,I,Me

G2 X,C,Cy,OH,S,N

G3 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s l11 sam

SAMPLE SEARCH INITIATED 21:53:52 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1105 TO ITERATE

100.0% PROCESSED 1105 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 20106 TO 24094
 PROJECTED ANSWERS: 1486 TO 2714

L12 50 SEA SSS SAM L11

=> s l11 full

FULL SEARCH INITIATED 21:54:00 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 22594 TO ITERATE

100.0% PROCESSED 22594 ITERATIONS 1989 ANSWERS
 SEARCH TIME: 00.00.01

L13 1989 SEA SSS FUL L11

=> fil capl

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	177.95	178.16

FILE 'CAPLUS' ENTERED AT 21:54:04 ON 31 AUG 2007
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FILE COVERS 1907 - 31 Aug 2007 VOL 147 ISS 11
 FILE LAST UPDATED: 30 Aug 2007 (20070830/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l13

L14 67 L13

=> s l14 and (py>2004 or ay>2004 or pry>2004)
 3526671 PY>2004
 652472 AY>2004
 496281 PRY>2004

L15 11 L14 AND (PY>2004 OR AY>2004 OR PRY>2004)

=> s l14 and (py<2004 or ay<2004 or pry<2004)
 23934638 PY<2004
 4740271 AY<2004

10524995.trn

```
      4222276 PRY<2004
L16      60 L14 AND (PY<2004 OR AY<2004 OR PRY<2004)

=> s l16 not (2007/so or 2006/so or 2005/so or 2004/so r 2003/so)
      525553 2007/SO
      876632 2006/SO
      876648 2005/SO
      847842 2004/SO
      1499 SO/SO
      369433 R/SO
      781328 2003/SO
      0 2004/SO R 2003/SO
      ((2004(W)SO(W)R(W)2003)/SO)
L17      60 L16 NOT (2007/SO OR 2006/SO OR 2005/SO OR 2004/SO R 2003/SO)

=> d l16 ibib hitstr abs 1-60
```

L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN

ACCESSION NUMBER: 2005:182664 CAPLUS

DOCUMENT NUMBER: 142:280221

TITLE: Preparation of pyrrolopyrimidinone derivatives as

GSK-3 inhibitors

INVENTOR(S): Tautumi, Takaharu; Sugiura, Satoshi; Koga, Masahiro;
Matsumoto, Yoshiyuki; Ishii, Toshihiro; Nakano, Akira;
Unoki, Gen; Sakai, Yuri; Takarada, Reiko; Ogawa,
Hiroko

PATENT ASSIGNEE(S): Teijin Pharma Limited, Japan

SOURCE: PCT Int. Appl., 419 pp.

CODEN: PIXXDZ

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005019219	A1	20050303	WO 2004-JP12692	20040826 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004266975	A1	20050303	AU 2004-266975	20040826 <--
CA 2536897	A1	20050303	CA 2004-2536897	20040826 <--
US 2005153992	A1	20050714	US 2004-928600	20040826 <--
EP 1661897	A1	20060531	EP 2004-772648	20040826 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
US 2006160831	A1	20060720	US 2004-928969	20040826 <--
BR 2004013821	A1	20061024	BR 2004-13821	20040826 <--
CN 1871240	A	20061129	CN 2004-80031450	20040826 <--
NO 200600539	A	20060324	NO 2006-538	20060202 <--
MX 2006PA02001	A	20060620	MX 2006-PA2001	20060221 <--
PRIORITY APPLN. INFO.:				
			JP 2003-301022	A 20030826 <--
			JP 2004-100022	A 20040330
			US 2003-499071P	P 20030902 <--
			US 2004-560013P	P 20040407
			WO 2004-JP12692	W 20040826

OTHER SOURCE(S): MARPAT 142:280221

IT 846570-57-8P 846570-58-9P 846570-59-0P

846570-60-3P 846570-73-8P 846570-76-1P

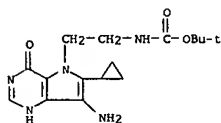
846570-77-2P 847137-85-3P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of pyrrolopyrimidinone derivs. as GSK-3 inhibitors)

RN 846570-57-8 CAPLUS

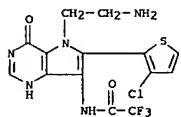
L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CN Carbamic acid, [2-[7-amino-6-cyclopropyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 846570-73-8 CAPLUS

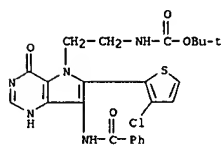
CN Acetamide, N-[5-(2-aminoethyl)-6-(3-chloro-2-thienyl)-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]-2,2,2-trifluoro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 846570-76-1 CAPLUS

CN Carbamic acid, [2-[7-(benzoylamino)-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

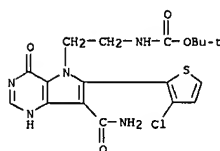


RN 846570-77-2 CAPLUS

CN Benzamide, N-[5-(2-aminoethyl)-6-(3-chloro-2-thienyl)-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

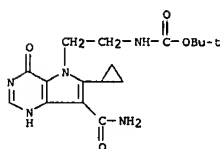
L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CN Carbamic acid, [2-[7-(aminocarbonyl)-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



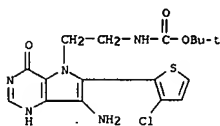
RN 846570-58-9 CAPLUS

CN Carbamic acid, [2-[7-(aminocarbonyl)-6-cyclopropyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



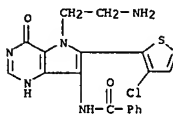
RN 846570-59-0 CAPLUS

CN Carbamic acid, [2-[7-amino-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 846570-60-3 CAPLUS

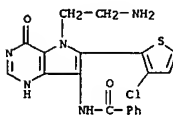
L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



● HCl

RN 847137-85-3 CAPLUS

CN Benzamide, N-[5-(2-aminoethyl)-6-(3-chloro-2-thienyl)-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)



IT 846570-72-7P 846570-74-9P 846570-78-3P

847273-43-2P 847273-44-3P 847273-45-4P

847273-60-3P 847274-71-9P 847274-72-0P

847274-73-1P 847274-74-2P 847274-75-5P

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847274-79-7P 847274-80-0P 847274-81-1P

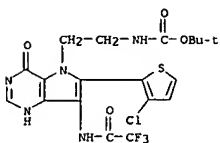
847274-82-2P 847274-83-3P 847274-84-4P

847274-85-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of pyrrolopyrimidinone derivs. as GSK-3 inhibitors)

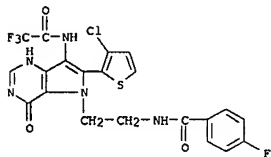
RN 846570-72-7 CAPLUS

CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-[(trifluoroacetyl)amino]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



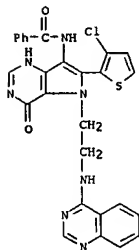
L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 846570-74-9 CAPLUS

CN Benzanide, N-[2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-
[(trifluoroacetyl)amino]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro-
(9CI) (CA INDEX NAME)

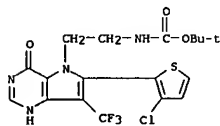
RN 846570-78-3 CAPLUS

CN Benzanide, N-[6-(3-chloro-2-thienyl)-4,5-dihydro-4-oxo-5-[2-(4-quinazolinylamino)ethyl]-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)



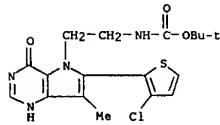
RN 847273-43-2 CAPLUS

CN Benzanide, N-[2-[7-(benzoylamino)-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



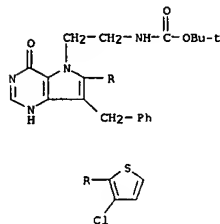
RN 847274-71-9 CAPLUS

CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-7-methyl-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

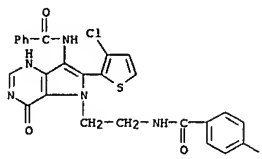


RN 847274-72-0 CAPLUS

CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-(phenylmethyl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

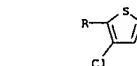
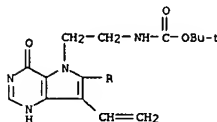


L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



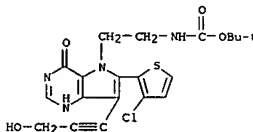
RN 847273-44-3 CAPLUS

CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-7-ethenyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 847273-45-4 CAPLUS

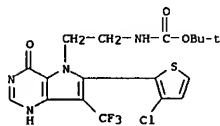
CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-7-(3-hydroxy-1-propynyl)-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

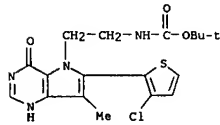
RN 847273-60-3 CAPLUS

CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-(trifluoromethyl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



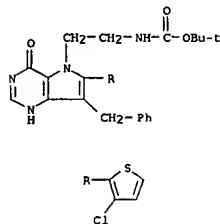
RN 847274-71-9 CAPLUS

CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-7-methyl-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 847274-72-0 CAPLUS

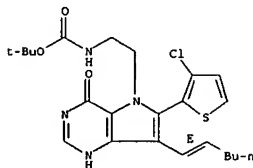
CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-(phenylmethyl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

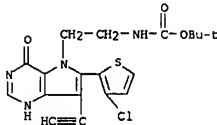
RN 847274-73-1 CAPLUS

CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-7-(1E)-1-hexenyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



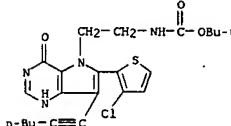
RN 847274-74-2 CAPLUS

CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-7-ethynyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 847274-75-3 CAPLUS

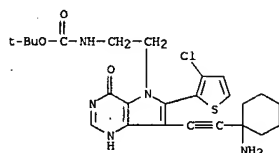
CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-7-(1-hexynyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



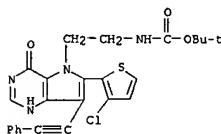
RN 847274-76-4 CAPLUS

CN Carbamic acid, [2-[7-[(1-aminocyclohexyl)ethynyl]-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

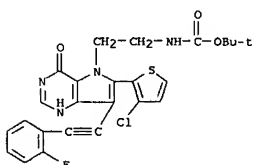
L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 847274-77-5 CAPLUS
 CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-(phenylethynyl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

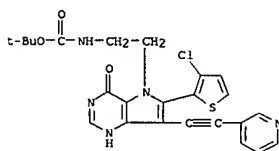


RN 847274-78-6 CAPLUS
 CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-7-[(2-fluorophenyl)ethynyl]-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

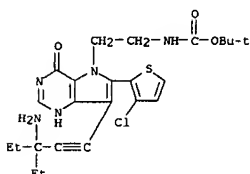


RN 847274-79-7 CAPLUS
 CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-7-[(4-methoxyphenyl)ethynyl]-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

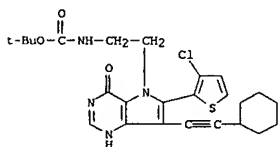
L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 pyridinylethynyl]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 847274-83-3 CAPLUS
 CN Carbamic acid, [2-[7-(3-amino-3-ethyl-1-pentynyl)-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

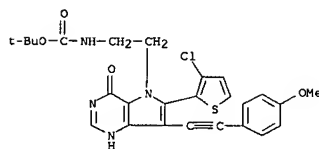


RN 847274-84-4 CAPLUS
 CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-7-(cyclohexylethynyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

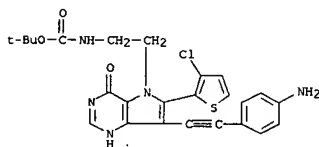


RN 847274-85-5 CAPLUS
 CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-[(trimethylsilyl)ethynyl]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

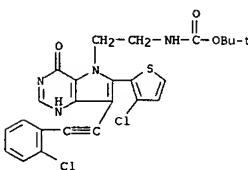
L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 847274-80-0 CAPLUS
 CN Carbamic acid, [2-[7-[(4-aminophenyl)ethynyl]-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

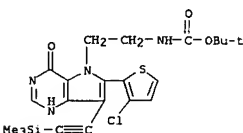


RN 847274-81-1 CAPLUS
 CN Carbamic acid, [2-[7-[(2-chlorophenyl)ethynyl]-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

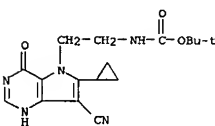


RN 847274-82-2 CAPLUS
 CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-(3-

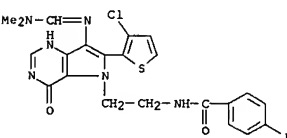
L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 846570-56-7 847277-93-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of pyrrolopyrimidinone derivs. as GSK-3 inhibitors)
 RN 846570-56-7 CAPLUS
 CN Carbamic acid, [2-(7-cyano-6-cyclopropyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

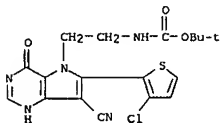


RN 847277-93-4 CAPLUS
 CN Benzanide, N-[2-[6-(3-chloro-2-thienyl)-7-[(dimethylamino)methylene]amino]-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



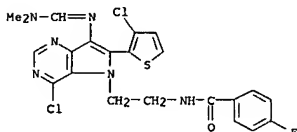
IT 587856-29-9P 847278-04-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of pyrrolopyrimidinone derivs. as GSK-3 inhibitors)
 RN 587856-29-9 CAPLUS
 CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

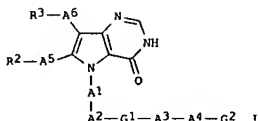


RN 847278-04-0 CAPLUS

CN Benzamide, N-[2-[4-chloro-6-(3-chloro-2-thienyl)-7-
[[dimethylamino)methylene]amino]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-
fluoro- (9CI) (CA INDEX NAME)



GI



AB The title compds. I [A1 and A3 each is a single bond or an aliphatic hydrocarbon; A2 and A4 each is a single bond, CO, COO, etc.; G1 is a single bond, alicyclic hydrocarbon, aromatic hydrocarbon, etc.; G2 is hydrogen, an aliphatic hydrocarbon, alicyclic hydrocarbon, aromatic hydrocarbon, etc.; A5 is a single bond or NR; R2 is hydrogen, halogeno, an aliphatic hydrocarbon, etc.; A6 is a single bond, NR, CO, etc.; and R3 is hydrogen, halogeno, nitro, a saturated aliphatic hydrocarbon, etc.; R is hydrogen or a lower aliphatic hydrocarbon group] are prepared. Thus, treatment of

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:182663 CAPLUS

DOCUMENT NUMBER: 142:261554

TITLE: Preparation of pyrrolopyrimidinethione derivatives

having GSK-3 inhibitory activity
Tsumumi, Takaharu; Sugiura, Satoshi; Koga, Masahiro;
Matsumoto, Yoshiyuki; Ishii, Toshihiro; Nakano, Akira;
Unoki, Gen; Sakai, Yuri; Takarada, Reiko; Ogawa,
Hiroko

PATENT ASSIGNEE(S): Teijin Pharma Limited, Japan

SOURCE: PCT Int. Appl., 274 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005019218	A1	20050303	WO 2004-JP12690	20040826 <--
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US 2003-499071P P 20030902 <--				
US 2004-560013P P 20040407				
WO 2004-JP12690 W 20040826				

OTHER SOURCE(S): MARPAT 142:261554

IT 846570-03-4P 846570-04-5P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
[preparation of pyrrolopyrimidinethione derivs. as GSK-3 inhibitors for treatment of diabetes, inflammation, etc.]

RN 846570-03-4 CAPLUS

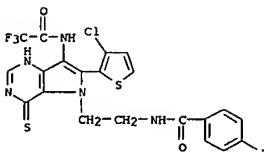
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-thioxo-7-
[(trifluoroacetyl)amino]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro-
(9CI) (CA INDEX NAME)

L16 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

tert-butoxy-N-[2-[6-(3-chloro-2-thienyl)-7-iodo-4-oxo-3-hydropyrrolo[3,2-d]pyrimidin-5-yl]ethyl]carboxamide with HCl in methanol and 1,4-dioxane at 60°C for 2 h gave 5-(2-aminoethyl)-6-(3-chloro-2-thienyl)-7-iodo-3-hydropyrrolo[3,2-d]pyrimidin-4-one HCl salt. In an in vitro assay for GSK-3 (glycogen synthase kinase-3) inhibiting activity, 104 compds. of this invention showed IC50 values < 20 nM. A formulation is given.

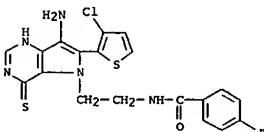
REFERENCE COUNT: 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 846570-04-5 CAPLUS

CN Benzamide, N-[2-[7-amino-6-(3-chloro-2-thienyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



IT 846570-05-6P 846570-06-7P 846570-07-8P

846570-08-9P 846570-09-0P 846570-15-8P

846570-16-9P 846570-17-0P 846570-18-1P

846570-19-2P 846570-20-5P 846570-21-6P

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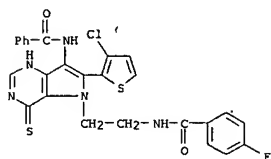
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

[preparation of pyrrolopyrimidinethione derivs. as GSK-3 inhibitors for treatment of diabetes, inflammation, etc.]

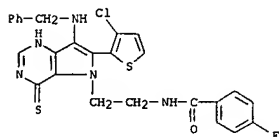
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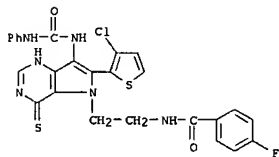
L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 846570-06-7 CAPLUS
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-1,4-dihydro-7-[(phenylmethyl)amino]-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

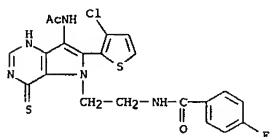


RN 846570-07-8 CAPLUS
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-1,4-dihydro-7-[(phenylamino)carbonyl]amino]-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

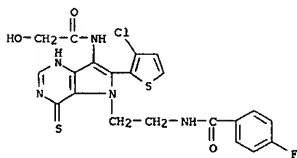


RN 846570-08-9 CAPLUS
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-7-[(E)-[(dimethylamino)methylene]amino]-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

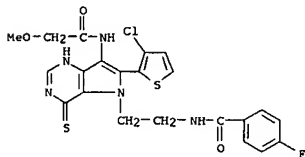
L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 846570-16-9 CAPLUS
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-1,4-dihydro-7-[(hydroxyacetyl)amino]-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



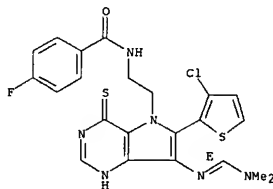
RN 846570-17-0 CAPLUS
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-1,4-dihydro-7-[(methoxyacetyl)amino]-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



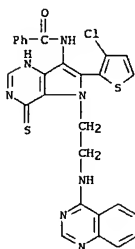
RN 846570-18-1 CAPLUS
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-7-[(dimethylamino)acetyl]amino]-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Double bond geometry as shown.

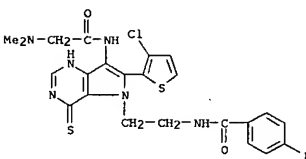


RN 846570-09-0 CAPLUS
CN Benzamide, N-[6-(3-chloro-2-thienyl)-4,5-dihydro-5-[2-(4-quinazolinylamino)ethyl]-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

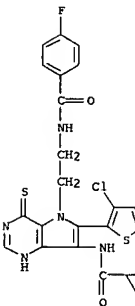


RN 846570-15-8 CAPLUS
CN Benzamide, N-[2-[7-(acetylamino)-6-(3-chloro-2-thienyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

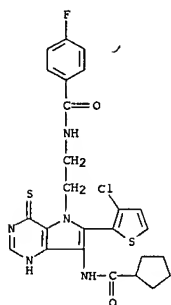


RN 846570-19-2 CAPLUS
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-7-[(cyclopropylcarbonyl)amino]-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



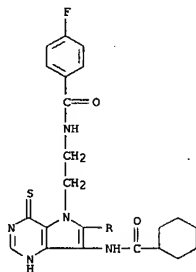
RN 846570-20-5 CAPLUS
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-7-[(cyclopentylcarbonyl)amino]-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



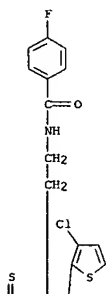
RN 846570-21-6 CAPLUS
 CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-7-[(cyclohexylcarbonyl)amino]-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI)
 (CA INDEX NAME)

PAGE 1-A

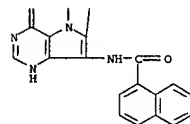


L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A



RN 846570-24-9 CAPLUS
 CN 2-Furancarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorobenzoyl)amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

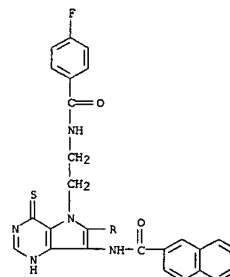
L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 2-A



RN 846570-22-7 CAPLUS
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PAGE 1-A

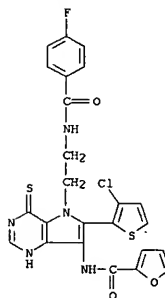


PAGE 2-A

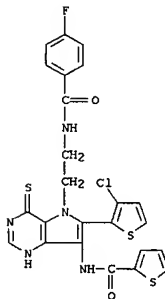


RN 846570-23-8 CAPLUS
 CN 1-Naphthalenecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorobenzoyl)amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

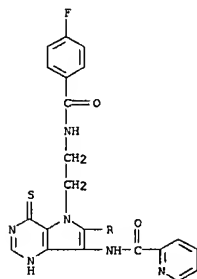


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RN 846570-26-1 CAPLUS
 CN 2-Pyridinecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorobenzoyl)amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
PAGE 1-A

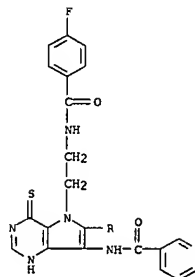


PAGE 2-A



RN 846570-27-2 CAPLUS
CN 3-Pyridinecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorobenzoyl)amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
PAGE 1-A

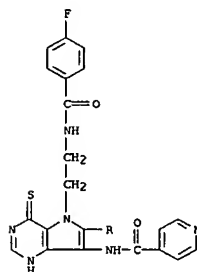


PAGE 2-A



RN 846570-28-3 CAPLUS
CN 4-Pyridinecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorobenzoyl)amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

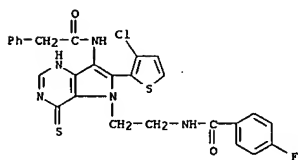
L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
PAGE 1-A



PAGE 2-A

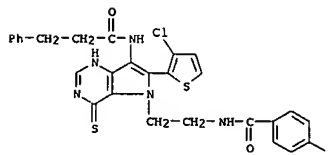


RN 846570-29-4 CAPLUS
CN Benzeneacetamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorobenzoyl)amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

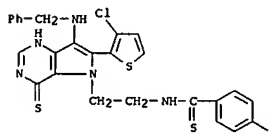


RN 846570-30-7 CAPLUS
CN Benzenepropanamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorobenzoyl)amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

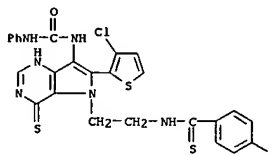
L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 846570-32-9 CAPLUS
CN Benzenecarbothioamide, N-[2-[6-(3-chloro-2-thienyl)-1,4-dihydro-7-[(phenylmethyl)amino]-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

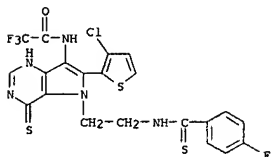


RN 846570-33-0 CAPLUS
CN Benzenecarbothioamide, N-[2-[6-(3-chloro-2-thienyl)-1,4-dihydro-7-[(phenylamino)carbonyl]amino]-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

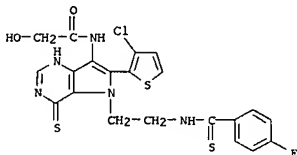


RN 846570-34-1 CAPLUS
CN Acetamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorophenyl)thioxomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

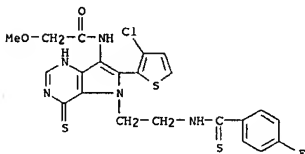
L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 846570-35-2 CAPLUS
CN Acetamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[[4-fluorophenyl]thiomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]-2-hydroxy- (9CI) (CA INDEX NAME)

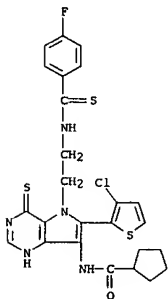


RN 846570-36-3 CAPLUS
CN Acetamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[[4-fluorophenyl]thiomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]-2-methoxy- (9CI) (CA INDEX NAME)



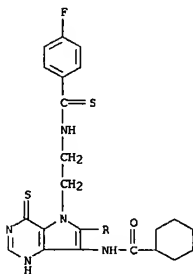
RN 846570-37-4 CAPLUS
CN Acetamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[[4-fluorophenyl]thiomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]-2-methoxy- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

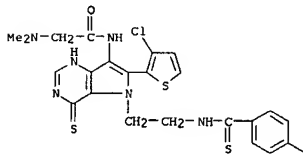


RN 846570-40-9 CAPLUS
CN Cyclohexanecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[[4-fluorophenyl]thiomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

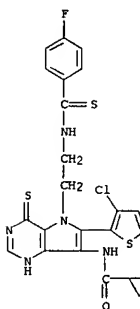
PAGE 1-A



L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 846570-38-5 CAPLUS
CN Cyclopropanecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[[4-fluorophenyl]thiomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)



RN 846570-39-6 CAPLUS
CN Cyclopentanecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[[4-fluorophenyl]thiomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

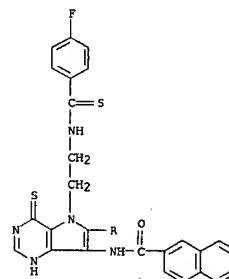
L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 2-A



RN 846570-41-0 CAPLUS
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PAGE 1-A



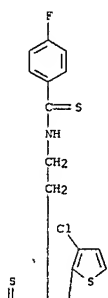
PAGE 2-A



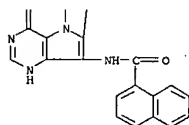
RN 846570-42-1 CAPLUS
CN 1-Naphthalenecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[[4-fluorophenyl]thiomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A

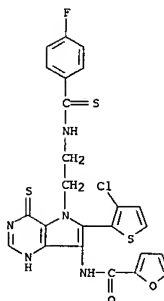


PAGE 2-A

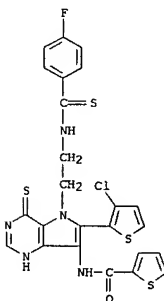


RN 846570-43-2 CAPLUS
CN 2-Furancarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[4-(4-fluorophenyl)thioxomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]]- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

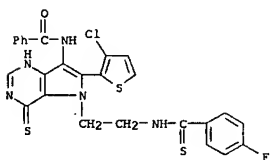


RN 846570-44-3 CAPLUS
CN 2-Thiophenecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[4-(4-fluorophenyl)thioxomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]]- (9CI) (CA INDEX NAME)



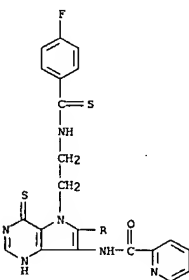
RN 846570-45-4 CAPLUS
CN Benzamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[4-(4-fluorophenyl)thioxomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]]- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
fluorophenyl]thioxomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]]- (9CI) (CA INDEX NAME)



RN 846570-46-5 CAPLUS
CN 2-Pyridinecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[4-(4-fluorophenyl)thioxomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]]- (9CI) (CA INDEX NAME)

PAGE 1-A



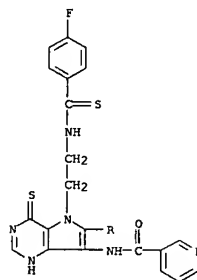
PAGE 2-A



RN 846570-47-6 CAPLUS
CN 3-Pyridinecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[4-(4-fluorophenyl)thioxomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]]- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
fluorophenyl]thioxomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]]- (9CI) (CA INDEX NAME)

PAGE 1-A



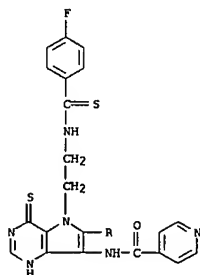
PAGE 2-A



RN 846570-48-7 CAPLUS
CN 4-Pyridinecarboxamide, N-[6-(3-chloro-2-thienyl)-5-[2-[[4-(4-fluorophenyl)thioxomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]]- (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

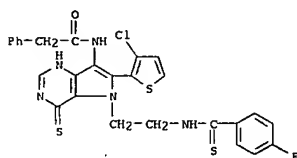
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PAGE 2-A

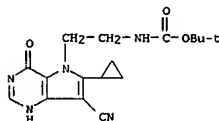


RN 846570-49-8 CAPLUS
 CN Benzeneacetamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorophenyl)thiomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

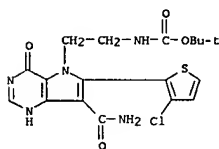


RN 846570-50-1 CAPLUS

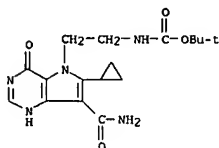
L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 846570-57-8 CAPLUS
 CN Carbamic acid, [2-(7-(aminocarbonyl)-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



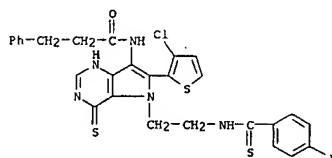
RN 846570-58-9 CAPLUS
 CN Carbamic acid, [2-(7-(aminocarbonyl)-6-cyclopropyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 846570-59-0 CAPLUS
 CN Carbamic acid, [2-(7-amino-6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN Benzenepropanamide, N-[6-(3-chloro-2-thienyl)-5-[2-[(4-fluorophenyl)thiomethyl]amino]ethyl]-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA INDEX NAME)

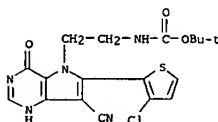


IT 587856-29-9P 846570-56-7P 846570-57-8P
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 846570-72-7P 846570-73-8P 846570-74-9P
 846570-75-0P 846570-76-1P 846570-77-2P
 846570-78-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of pyrrolopyrimidinethione derivs. as GSK-3 inhibitors for treatment of diabetes, inflammation, etc.)

RN 587856-29-9 CAPLUS

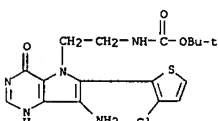
CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 846570-56-7 CAPLUS

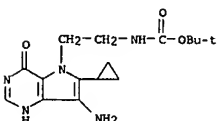
CN Carbamic acid, [2-(7-cyano-6-cyclopropyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



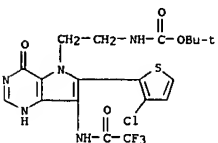
RN 846570-60-3 CAPLUS

CN Carbamic acid, [2-(7-amino-6-cyclopropyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 846570-72-7 CAPLUS

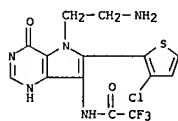
CN Carbamic acid, [2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-[(trifluoroacetyl)amino]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 846570-73-8 CAPLUS

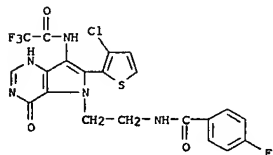
CN Acetamide, N-[5-(2-aminoethyl)-6-(3-chloro-2-thienyl)-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl]-2,2,2-trifluoro-, monohydrochloride (9CI) (CA INDEX NAME)

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



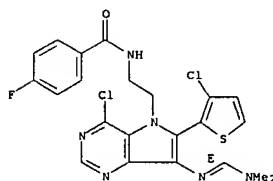
● HCl

RN 846570-74-9 CAPLUS
 CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-1,4-dihydro-4-oxo-7-
 [(trifluoroacetyl)amino]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro-
 (9CI) (CA INDEX NAME)

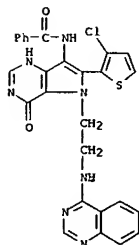


RN 846570-75-0 CAPLUS
 CN Benzamide, N-[2-[4-chloro-6-(3-chloro-2-thienyl)-7-[(E)-
 [(dimethylamino)methylene]amino]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-
 fluoro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

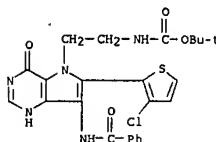
AB Title compds. I [A1 = single bond, etc.; A2 = single bond, etc.; G1 =
 single bond, etc.; A3 = single bond, etc.; A4 = single bond, etc.; G2 = H,
 (un)substituted aliphatic hydrocarbon, etc.; A5 = single bond, NR201; R201 =
 H, aliphatic hydrocarbon; A6 = single bond, etc.; R2 = H, F, etc.; R3 = H,
 F,

etc.] were prepared. For example, acylation of 5-(2-aminoethyl)-6-(3-
 chlorothiophen-2-yl)-7-iodo-3-hydroxypyrrolo[3,2-d]pyrimidin-4-
 thione-CF₃CO₂H with 4-fluorobenzoyl chloride afforded compound II in
 47% yield. In GSK-3 (glycogen synthase kinase-3) enzyme inhibition
 assays, the IC₅₀ value of compound II was <100 nM. Compds. I are claimed
 useful as GSK-3 inhibitors for the treatment of diabetes, inflammation,
 etc. Formulation is given.

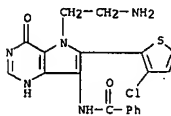
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 846570-76-1 CAPLUS
 CN Carbamic acid, [2-[7-(benzoylamino)-6-(3-chloro-2-thienyl)-1,4-dihydro-4-
 oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-, 1,1-dimethylethyl ester (9CI)
 (CA INDEX NAME)



RN 846570-77-2 CAPLUS
 CN Benzamide, N-[5-(2-aminoethyl)-6-(3-chloro-2-thienyl)-4,5-dihydro-4-oxo-1H-
 pyrrolo[3,2-d]pyrimidin-7-yl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 846570-78-3 CAPLUS
 CN Benzamide, N-[6-(3-chloro-2-thienyl)-4,5-dihydro-4-oxo-5-[2-(4-
 quinazolinylamino)ethyl]-1H-pyrrolo[3,2-d]pyrimidin-7-yl]- (9CI) (CA
 INDEX NAME)

L16 ANSWER 3 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

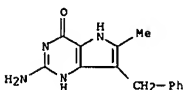
ACCESSION NUMBER: 2004:1082029 CAPLUS
 DOCUMENT NUMBER: 142:56345
 TITLE: Process for the preparation of 9-deazaguanine
 derivatives
 INVENTOR(S): Elliott, Arthur J.; Walsh, David A.; Morris, Philip E.
 PATENT ASSIGNEE(S): Biocryst Pharmaceuticals, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 26 pp., Cont.-in-part of U.S.
 Ser. No. 762,832, abandoned.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004254181	A1	20041216	US 2004-878035	20040629 <--
US 6946554	B2	20050920		

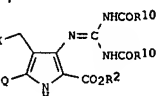
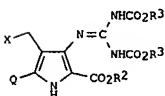
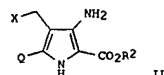
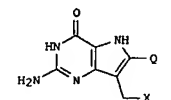
PRIORITY APPLN. INFO.: US 1996-762832 B1 19961210 <--
 OTHER SOURCE(S): CASREACT 142:56345; MARPAT 142:56345
 IT 192653-69-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (process for preparation of 9-deazaguanine derivs. via cyclization of
 guanidinylpyrrolecarboxylates)

RN 192653-69-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2-amino-1,5-dihydro-6-methyl-7-
 (phenylmethyl)- (9CI) (CA INDEX NAME)



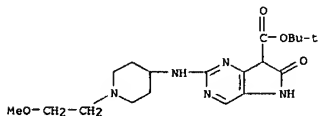
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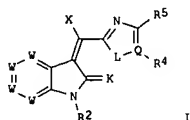
L16 ANSWER 3 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

AB Derivs. of 9-deazaguanine (I) [wherein X = (un)substituted Ph or naphthyl, 5- or 6-member heterocyclic group having one N, S, or O atom, alicyclic group selected from the group consisting of cycloparaffins and cycloolefins having up to 9 carbon atoms, group represented by the formula R5(CR6R7)a(V)b(CH2)c-W; R5 = (un)substituted cyclic group wherein said cyclic group is selected from the group consisting of aromatic, heteroarom., alicyclic and heteroalicyclic groups having five to nine atoms and containing one or more heteroatoms selected from the group consisting of O, N and S; R6, R7 = H, C1-4 alkyl; a = 0-4; b = 0-6; c = 0,1; W = cyano, CSNH2, PO(OH)2, CO2H, SO2NH2, NH2, OH, CONH2, tetrazolyl, triazolyl, COR8; R8 = C1-4 alkyl, CF3, NH2, C1-4 alkoxy; V = O, NH; Q = H, C1-3 alkyl, CF3, Ph] are prepared by reacting an aldehyde or ketone of formula QCOCH(CH2X)CN (Q, X = same as above) with a dialkylaminomalonate to form the corresponding enamine. The enamine is then reacted with a base to form a cyclic pyrrole (II) (Q, X = same as above; R2 = C1-4 alkyl). The cyclic pyrrole II is reacted with an urea compound of formula R3O2CN:C(Z)NHCO2R3 (R3 = C1-4 alkoxy) or a derivative of carbamidoic acid of formula R1OCONC(R11)NHCO2R10 (R10 = (un)substituted Ph; R11 = C1-4 alkoxy) to provide a protected guanidino compound (III) or (IV) (Q, X, R2, R3, R10, R11 = same as above). The guanidino III or IV is converted to the desired 9-deazaguanine derivative I by reacting with trifluoroacetic acid or with an alkoxide or hydroxide followed by neutralization with an acid. Thus, 3-(2-pyridyl)propionitrile was added to a suspension of NaH in THF, treated dropwise with Et formate over 3 h and 10 min, and stirred overnight to give 100% 2-cyano-3-(2-pyridyl)propionaldehyde sodium enolate which was added to MeOH and H2O under ice-cooling, treated with di-Et aminomalonate hydrochloride, adjusted to pH approx. 6.5 with 6 N HCl, and stirred for 15 h to give di-Et [(2-cyano-2-(2-pyridylmethyl)vinyl)amino]malonate (V). V was dissolved in MeOH and stirred with ice-bath cooling while 25 weight% NaOMe solution in MeOH (12.7 mL 55.47 mmol) was added, and the dark brown mixture was stirred at room temperature for 2 days to give 3-amino-4-[(2-pyridyl)methyl]-1H-pyrrole-2-carboxylic acid Me ester (VI). VI, N,N'-bis(carbomethoxy)-S-methylisothiourea, and Et3CN were stirred together in MeCN, and treated with mercuric chloride upon which an immediate precipitate was observed, and the mixture was stirred at room temperature for 16 h to give 3-[N,N'-bis(carbomethoxy)guanidiny]-4-(phenylmethyl)-1H-pyrrole-2-carboxylic acid Me ester (VII). VII, NaOMe, and MeOH were stirred together and boiled under reflux for 16 h, evaporated in vacuo, and treated with aqueous AcOH to give 70% 2-amino-7-[(2-pyridyl)methyl]-4-oxo-3H,5H-pyrrolo[3,2-d]pyrimidine.

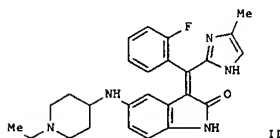
L16 ANSWER 4 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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I



II

AB The title compds. I (W = N or CR1; R1 = H, halo, trihaloalkyl, CN, NH2, NO2, OR6, N(CR6R7), N(R6)C(NR8)NR6R7, SR6, S(O)1-2R6, SO2NR6R7, CO2R6, etc.; L = O, S(O)0-2, or NR3; Q = C or N, when Q = N, then R4 does not exist; R2, R3 = H or R7; R4, R5 = H, OR6, NR6R7, S(O)0-2R6, SO2NR6R7, CO2R6, C(O)NR6R7, N(R6)SO2R6, NC(O)2R6, C(O)R7, CN, NO2, NH2, halo, trihaloalkyl, R7; or R4, R5 when taken together, form a five or six-membered aromatic ring containing 0-2 N; R6, R7 = H, (substituted)arylalkyl, (substituted)heterocyclylalkyl, (substituted)aryl, (substituted)heterocyclyl, with proviso or R6, R7 = when taken together with a common N to which they are attached, form a five to seven-membered heterocyclic ring containing at least one addnl. heteroatom selected from N, O, S, or P; R8 = H, NO2, CN, OR6, or (substituted)alkyl; X = (substituted)heteroaromatic ring; K = O, S, (substituted)amino] were prepared as kinase modulators to treat kinase-dependent diseases and conditions. For example compound II was prepared in a multi-step synthesis starting from 4-methylimidazole. The latter inhibited KDR and EGFR with IC50 < 50 nM.

L16 ANSWER 4 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:493723 CAPLUS
DOCUMENT NUMBER: 141:54195
TITLE: Preparation of oxindole derivatives as kinase modulators
INVENTOR(S): Bannen, Lynne Canner, Brown, S. David; Cheng, Wei; Co, Erick Wang; Nuss, John M.; Kim, Moon Hwan; Klein, Rhett Ronald; Le, Donna T.; Lew, Amy; Mac, Morrison B.; Parks, Jason Jevious; Wen, Zhaoyang; Xu, Wei
PATENT ASSIGNEE(S): Exelixis, Inc., USA
SOURCE: PCT Int. Appl., 120 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004050681	A2	20040617	WO 2003-US36567	20031114 <--
WO 2004050681	A3	20041104		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2506546	A1	20040617	CA 2003-2506546	20031114 <--
AU 2003302665	A1	20040623	AU 2003-302665	20031114 <--
EP 1581309	A2	20051005	EP 2003-812437	20031114 <--
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2006510727	T	20060330	JP 2004-570758	20031114 <--
US 2006122171	A1	20060608	US 2005-533555	20050502 <--
PRIORITY APPLN. INFO.:			US 2002-426680P	P 20021115 <--
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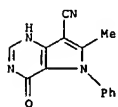
OTHER SOURCE(S): MARPAT 141:54195
IT 705947-08-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of oxindole derivs. as kinase modulators)
RN 705947-08-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6,7-dihydro-2-[[1-(2-methoxyethyl)-4-piperidinyl]amino]-6-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L16 ANSWER 4 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

L16 ANSWER 5 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:719265 CAPLUS
DOCUMENT NUMBER: 139:240337
TITLE: Pin1 peptidyl prolyl isomerase-modulating compounds and methods of use in the treatment of cancer and other Pin1-associated conditions
INVENTOR(S): McKee, Timothy D.; Suto, Robert K.
PATENT ASSIGNEE(S): Pintex Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003073999	A2	20030912	WO 2003-US6399	20030303 <--
WO 2003073999	A3	20031231		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CH, GA, GN, GQ, GW, HL, HR, NE, SN, TD, TG			
AU 2003217870	A1	20030916	AU 2003-217870	20030303 <--
US 2004180889	A1	20040916	US 2003-379404	20030303 <--
PRIORITY APPLN. INFO.:			US 2002-361231P	P 20020301 <--
			WO 2003-US6399	W 20030303 <--

OTHER SOURCE(S): MARPAT 139:240337
IT 383161-28-2 383161-28-2D, derivs.
RU: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Pin1 peptidyl prolyl isomerase-modulating compds. for treatment of cancer and other Pin1-associated conditions)
RN 383161-28-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-phenyl- (9C1) (CA INDEX NAME)



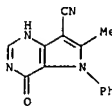
RN 383161-28-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-phenyl- (9C1) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:678811 CAPLUS
DOCUMENT NUMBER: 139:214482
TITLE: Preparation of pyrrolopyrimidine derivatives as GSK-3 inhibitors
INVENTOR(S): Kataoka, Kenichiro; Kosugi, Tomomi; Ishii, Toshihiro; Takeuchi, Takahiro; Tsumumi, Takaharu; Nakano, Akira; Unoki, Gen; Yamamoto, Masanori; Sakai, Yuri
PATENT ASSIGNEE(S): Teijin Limited, Japan
SOURCE: PCT Int. Appl., 568 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

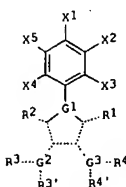
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003070729	A1	20030828	WO 2003-JP1977	20030224 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CH, GA, GN, GQ, GW, HL, HR, NE, SN, TD, TG			
CA 2477116	A1	20030828	CA 2003-2477116	20030224 <--
AU 2003211426	A1	20030909	AU 2003-211426	20030224 <--
BR 2003007248	A	20041026	BR 2003-7248	20030224 <--
EP 1477489	A1	20041117	EP 2003-707008	20030224 <--
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1633436	A	20050629	CN 2003-806235	20030224 <--
MX 2004PA06862	A	20041206	MX 2004-PA6862	20040715 <--
US 2005277773	A1	20051215	US 2004-504583	20040816 <--
NO 2004003944	A	20041007	NO 2004-3944	20040921 <--
PRIORITY APPLN. INFO.:			JP 2002-46128	A 20020222 <--
			JP 2002-365196	A 20021217 <--
			JP 2002-379827	A 20021227 <--
			WO 2003-JP1977	W 20030224 <--

OTHER SOURCE(S): MARPAT 139:214482
IT 587857-21-4P 587857-22-5P
RU: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of pyrrolopyrimidine derivs. as GSK-3 inhibitors)
RN 587857-21-4 CAPLUS
CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-bromo-4,5-dihydro-4-oxo- (CA INDEX NAME)

L16 ANSWER 5 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

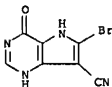


G1

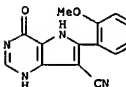


AB The invention discloses modulators, e.g., inhibitors of Pin1 and Pin1-related proteins, and the use of such modulators for treatment of Pin1-associated states, e.g., for the treatment of cancer. Compds. of the invention include I [dashed lines = single or double bonds; G1 = CH, N; G2, G3 = H, N, CH2, CH, NH; R1, R2, R3, R3', R4, R4', X1-X5 = H, acyl, (un)substituted alkyl, etc.]. Determination of Pin1 overexpression in a variety of tumor types is also presented.

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587857-22-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methoxyphenyl)-4-oxo- (9C1) (CA INDEX NAME)

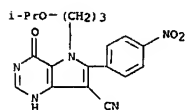


IT 587855-92-3P 587855-95-6P 587856-00-6P
587856-04-0P 587856-08-4P 587856-11-9P
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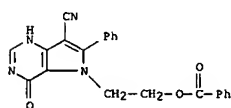
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (drug candidate; prepn. of pyrrolopyrimidine derivs. as GSK-3
 inhibitors)
 RN 587855-92-3 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-4-oxo-6-
 phenyl- (9CI) (CA INDEX NAME)

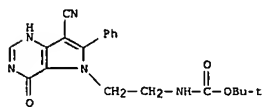
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



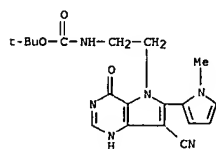
RN 587856-11-9 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[2-(benzoyloxy)ethyl]-4,5-
 dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587856-13-1 CAPLUS
 CN Carbanic acid, [2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-
 d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

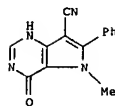


RN 587856-15-3 CAPLUS
 CN Carbanic acid, [2-(7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-oxo-
 5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI)
 (CA INDEX NAME)

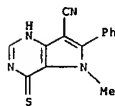


RN 587856-18-6 CAPLUS

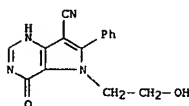
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



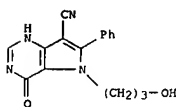
RN 587855-95-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-6-phenyl-
 4-thioxo- (9CI) (CA INDEX NAME)



RN 587856-00-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(2-hydroxyethyl)-
 4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

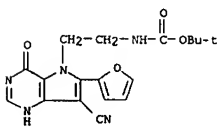


RN 587856-04-0 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-
 hydroxypropyl)-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

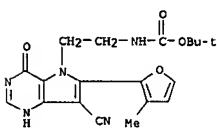


RN 587856-08-4 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-
 methylethoxy)propyl]-6-(4-nitrophenyl)-4-oxo- (9CI) (CA INDEX NAME)

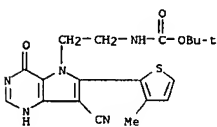
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Carbanic acid, [2-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-
 d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 587856-23-3 CAPLUS
 CN Carbanic acid, [2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-oxo-5H-
 pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA
 INDEX NAME)

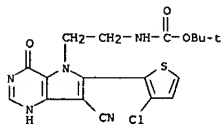


RN 587856-26-6 CAPLUS
 CN Carbanic acid, [2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-oxo-5H-
 pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA
 INDEX NAME)

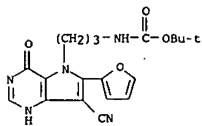


RN 587856-29-9 CAPLUS
 CN Carbanic acid, [2-(6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-oxo-5H-
 pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA
 INDEX NAME)

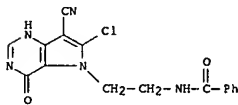
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



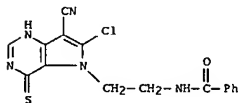
RN 587856-35-7 CAPLUS
CN Carbamic acid, [3-[7-cyano-6-(2-furanyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



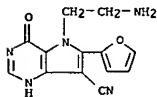
RN 587856-47-1 CAPLUS
CN Benzamide, N-[2-(6-chloro-7-cyano-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587856-50-6 CAPLUS
CN Benzamide, N-[2-(6-chloro-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

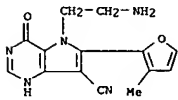


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



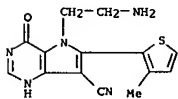
● HCl

RN 587856-63-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-6-(3-methyl-2-furanyl)-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 587856-65-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-6-(3-methyl-2-thienyl)-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

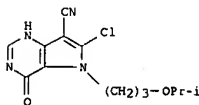


● HCl

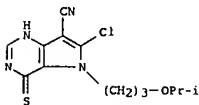
RN 587856-67-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-6-(3-chloro-2-thienyl)-4,5-dihydro-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

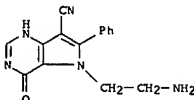
RN 587856-54-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-chloro-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 587856-57-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-chloro-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 587856-59-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-4-oxo-6-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

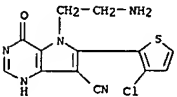


● HCl

RN 587856-62-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-6-(2-furanyl)-4,5-dihydro-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

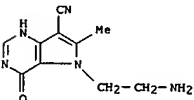


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



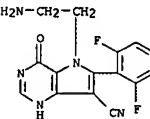
● HCl

RN 587856-68-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-6-methyl-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

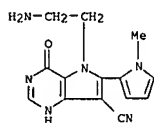
RN 587856-69-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-6-(2,6-difluorophenyl)-4,5-dihydro-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

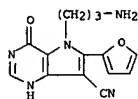
RN 587856-70-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



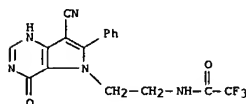
● HCl

RN 587856-71-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-aminopropyl)-6-(2-furanyl)-4,5-dihydro-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



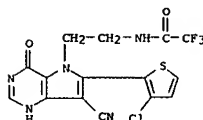
● HCl

RN 587856-73-3 CAPLUS
CN Acetamide, N-[2-{7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

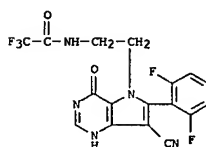


RN 587856-74-4 CAPLUS
CN Acetamide, N-[2-{7-cyano-6-(2-furanyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

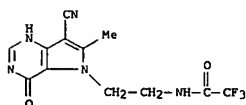
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



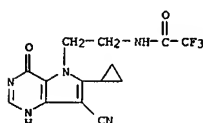
RN 587856-79-9 CAPLUS
CN Acetamide, N-[2-{7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



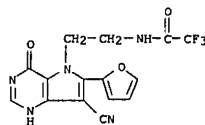
RN 587856-80-2 CAPLUS
CN Acetamide, N-[2-{7-cyano-1,4-dihydro-6-methyl-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



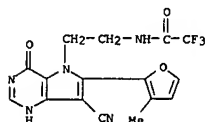
RN 587856-81-3 CAPLUS
CN Acetamide, N-[2-{7-cyano-6-cyclopropyl-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



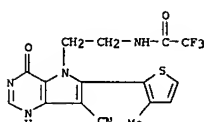
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587856-76-6 CAPLUS
CN Acetamide, N-[2-{7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



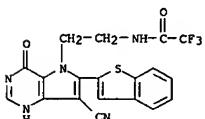
RN 587856-77-7 CAPLUS
CN Acetamide, N-[2-{7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



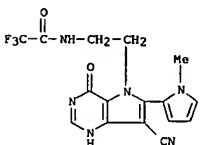
RN 587856-78-8 CAPLUS
CN Acetamide, N-[2-{6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

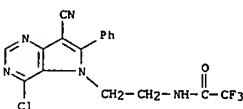
RN 587856-82-4 CAPLUS
CN Acetamide, N-[2-{6-benzo[b]thien-2-yl-7-cyano-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



RN 587856-83-5 CAPLUS
CN Acetamide, N-[2-{7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

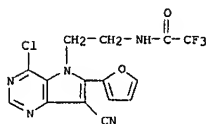


RN 587856-84-6 CAPLUS
CN Acetamide, N-[2-{4-chloro-7-cyano-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

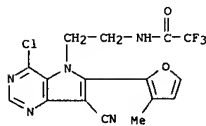


RN 587856-85-7 CAPLUS
CN Acetamide, N-[2-{4-chloro-7-cyano-6-(2-furanyl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

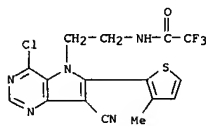
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587856-86-8 CAPLUS
CN Acetamide, N-[2-[4-chloro-7-cyano-6-(3-methyl-2-furanyl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

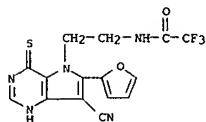


RN 587856-87-9 CAPLUS
CN Acetamide, N-[2-[4-chloro-7-cyano-6-(3-methyl-2-thienyl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

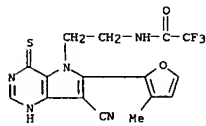


RN 587856-88-0 CAPLUS
CN Acetamide, N-[2-[4-chloro-6-(3-chloro-2-thienyl)-7-cyano-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

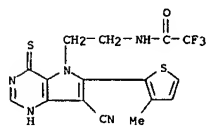
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587856-92-6 CAPLUS
CN Acetamide, N-[2-[7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

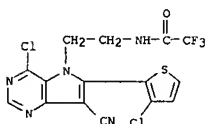


RN 587856-93-7 CAPLUS
CN Acetamide, N-[2-[7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

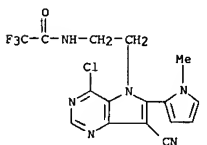


RN 587856-94-8 CAPLUS
CN Acetamide, N-[2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

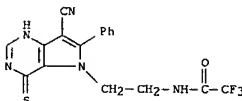
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587856-89-1 CAPLUS
CN Acetamide, N-[2-[4-chloro-7-cyano-6-(1-methyl-1H-pyrrol-2-yl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

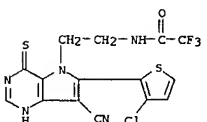


RN 587856-90-4 CAPLUS
CN Acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

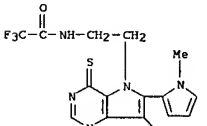


RN 587856-91-5 CAPLUS
CN Acetamide, N-[2-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

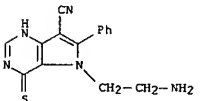
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



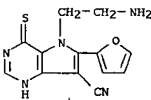
RN 587856-95-9 CAPLUS
CN Acetamide, N-[2-[7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



RN 587856-96-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

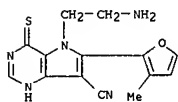


RN 587856-97-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-6-(2-furanyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

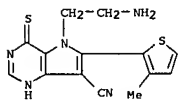


RN 587856-98-2 CAPLUS

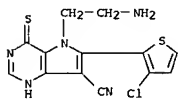
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-6-(3-methyl-2-furanyl)-4-thioxo- (9CI) (CA INDEX NAME)



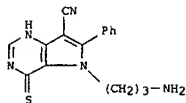
RN 587856-99-3 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-6-(3-methyl-2-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)



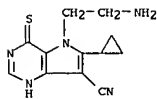
RN 587857-00-9 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-6-(3-chloro-2-thienyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



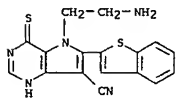
RN 587857-01-0 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-aminopropyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



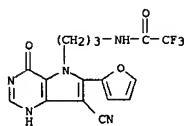
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



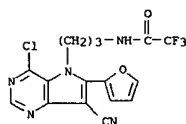
RN 587857-06-5 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-6-benzo[b]thien-2-yl-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587857-07-6 CAPLUS
 CN Acetamide, N-[3-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



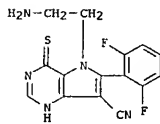
RN 587857-08-7 CAPLUS
 CN Acetamide, N-[3-(4-chloro-7-cyano-6-(2-furanyl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



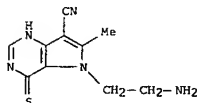
RN 587857-09-8 CAPLUS
 CN Acetamide, N-[3-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

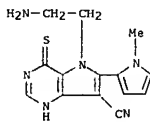
RN 587857-02-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-6-(2,6-difluorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587857-03-2 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-6-methyl-4-thioxo- (9CI) (CA INDEX NAME)

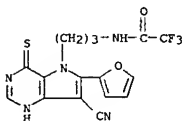


RN 587857-04-3 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-4,5-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo- (9CI) (CA INDEX NAME)

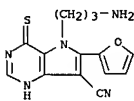


RN 587857-05-4 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-aminoethyl)-6-cyclopropyl-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

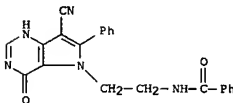
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



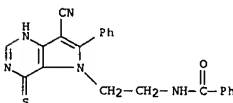
RN 587857-10-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-aminopropyl)-6-(2-furanyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587857-11-2 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

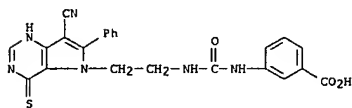


RN 587857-12-3 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

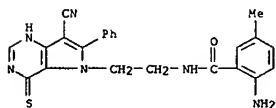


RN 587857-13-4 CAPLUS
 CN Benzoic acid, 3-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

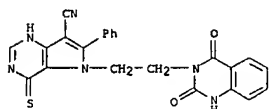
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587857-14-5 CAPLUS
CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-methyl- (9CI) (CA INDEX NAME)

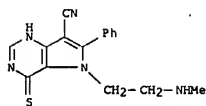


RN 587857-15-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[2-(1,4-dihydro-2,4-dioxo-3(2H)-quinazolinyl)ethyl]-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

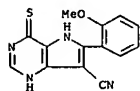


RN 587857-16-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-methyl-2-thienyl)-4-oxo-5-[2-(4-quinazolinylamino)ethyl]- (9CI) (CA INDEX NAME)

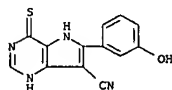
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



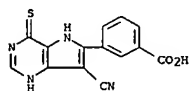
RN 587857-23-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methoxyphenyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587857-24-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-hydroxyphenyl)-4-thioxo- (9CI) (CA INDEX NAME)

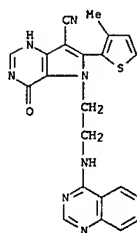


RN 587857-25-8 CAPLUS
CN Benzoic acid, 3-(7-cyano-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)- (9CI) (CA INDEX NAME)

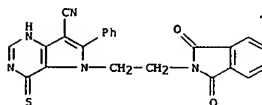


RN 587857-26-9 CAPLUS
CN Benzoic acid, 4-(7-cyano-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)- (9CI) (CA INDEX NAME)

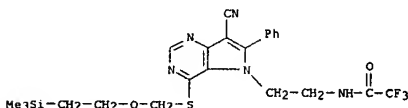
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587857-17-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)ethyl]-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

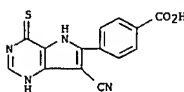


RN 587857-18-9 CAPLUS
CN Acetamide, N-[2-(7-cyano-6-phenyl-4-[[2-(trimethylsilyl)ethoxy]methyl]thio]-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

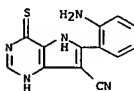


RN 587857-19-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-(methylamino)ethyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

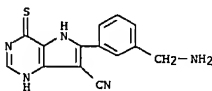
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



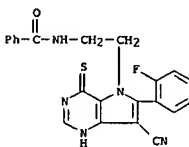
RN 587857-27-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-aminophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587857-28-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[3-(aminomethyl)phenyl]-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

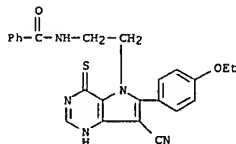


RN 587857-29-2 CAPLUS
CN Benzamide, N-[2-(7-cyano-6-(2-fluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

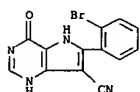


RN 587857-30-5 CAPLUS
CN Benzamide, N-[2-(7-cyano-6-(4-ethoxyphenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

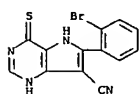
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



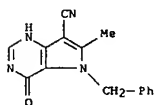
RN 587857-31-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-bromophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587857-32-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-bromophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

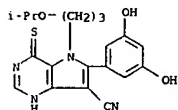


RN 587857-33-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-(phenylmethyl)- (9CI) (CA INDEX NAME)

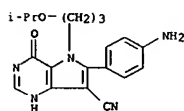


RN 587857-34-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,5-dihydroxyphenyl)-4,5-

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

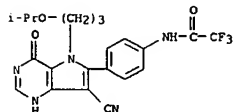


RN 587857-38-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-aminophenyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



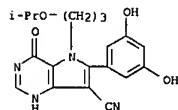
● HCl

RN 587857-39-4 CAPLUS
CN Acetamide, N-[4-[7-cyano-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl]phenyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

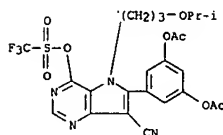


RN 587857-40-7 CAPLUS
CN Acetamide, N-[4-[4-chloro-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-5H-pyrrolo[3,2-d]pyrimidin-6-yl]phenyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

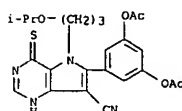
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587857-35-0 CAPLUS
CN Methanesulfonic acid, trifluoro-, 6-[3,5-bis(acetyloxy)phenyl]-7-cyano-5-[3-(1-methylethoxy)propyl]-5H-pyrrolo[3,2-d]pyrimidin-4-yl ester (9CI) (CA INDEX NAME)

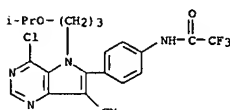


RN 587857-36-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,5-bis(acetyloxy)phenyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

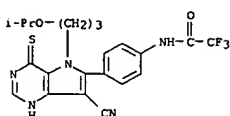


RN 587857-37-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,5-dihydroxyphenyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

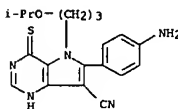
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587857-41-8 CAPLUS
CN Acetamide, N-[4-[7-cyano-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl]phenyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



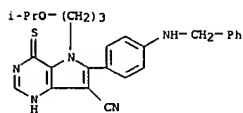
RN 587857-42-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-aminophenyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo-, monohydrochloride (9CI) (CA INDEX NAME)



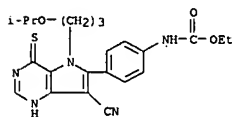
● HCl

RN 587857-43-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-[4-[(phenylmethyl)amino]phenyl]-4-thioxo- (9CI) (CA INDEX NAME)

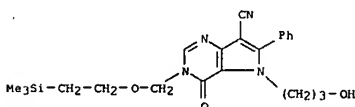
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587857-44-1 CAPLUS
CN Carbamic acid, [4-{7-cyano-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl}phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



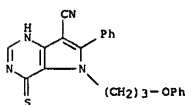
RN 587857-45-2 CAPLUS
CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-hydroxypropyl)-4-oxo-6-phenyl-3-[[2-(trimethylsilyl)ethoxy]methyl]- (9CI) (CA INDEX NAME)



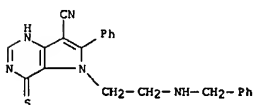
RN 587857-46-3 CAPLUS
CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-5-(3-phenoxypropyl)-6-phenyl-3-[[2-(trimethylsilyl)ethoxy]methyl]- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

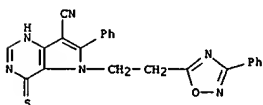
RN 587857-49-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-phenoxypropyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



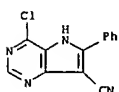
RN 587857-50-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-[2-[(phenylmethyl)amino]ethyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 587857-51-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-[2-(3-phenyl-1,2,4-oxadiazol-5-yl)ethyl]-4-thioxo- (9CI) (CA INDEX NAME)

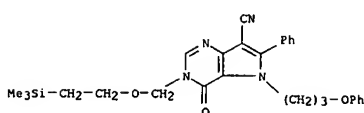


RN 587857-52-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4-chloro-6-phenyl- (9CI) (CA INDEX NAME)

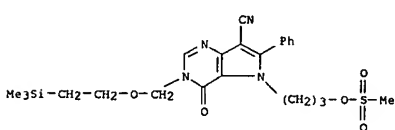


RN 587857-53-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanoic acid, 7-cyano-1,4-dihydro-4-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

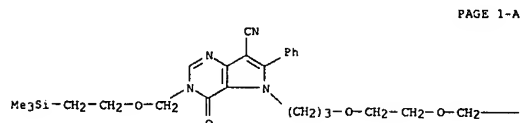
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587857-47-4 CAPLUS
CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-[(methylsulfonyl)oxy]propyl]-4-oxo-6-phenyl-3-[[2-(trimethylsilyl)ethoxy]methyl]- (9CI) (CA INDEX NAME)

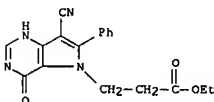


RN 587857-48-5 CAPLUS
CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-[2-(2-methoxyethoxy)ethoxy]propyl]-4-oxo-6-phenyl-3-[[2-(trimethylsilyl)ethoxy]methyl]- (9CI) (CA INDEX NAME)

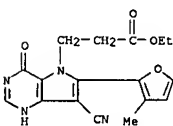


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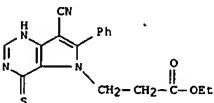
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



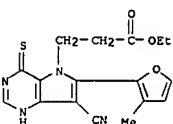
RN 587857-54-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanoic acid, 7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 587857-55-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanoic acid, 7-cyano-1,4-dihydro-6-phenyl-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)

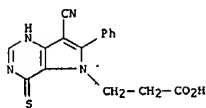


RN 587857-56-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanoic acid, 7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)

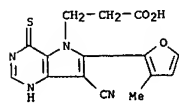


RN 587857-57-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanoic acid, 7-cyano-1,4-dihydro-6-phenyl-

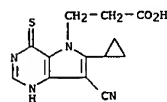
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
4-thioxo- (9CI) (CA INDEX NAME)



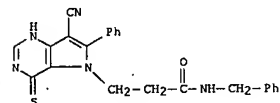
RN 587857-58-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanoic acid, 7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587857-60-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanoic acid, 7-cyano-6-cyclopropyl-1,4-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

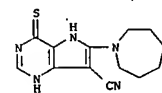


RN 587857-61-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

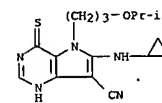


RN 587857-62-3 CAPLUS

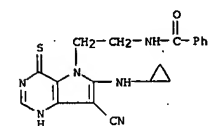
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 587857-66-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(hexahydro-1H-azepin-1-yl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



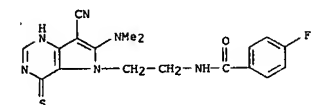
RN 587857-67-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(cyclopropylamino)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 587857-68-9 CAPLUS
CN Benzamide, N-[2-[7-cyano-6-(cyclopropylamino)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

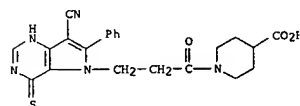


RN 587857-69-0 CAPLUS
CN Benzamide, N-[2-[7-cyano-6-(dimethylamino)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

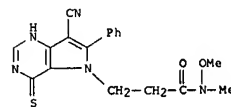


RN 587857-70-3 CAPLUS
CN Benzamide, N-[2-[7-cyano-1,4-dihydro-6-(1-pyrrolidinyl)-4-thioxo-5H-

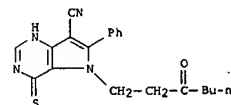
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 4-Piperidinecarboxylic acid, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



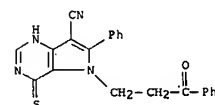
RN 587857-63-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-methoxy-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



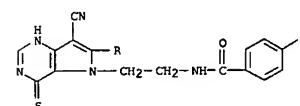
RN 587857-64-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-oxoheptyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



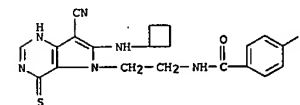
RN 587857-65-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-oxo-3-phenylpropyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



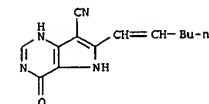
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



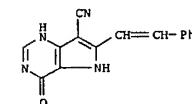
RN 587857-71-4 CAPLUS
CN Benzamide, N-[2-[7-cyano-6-(cyclobutylamino)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



RN 587857-72-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(1-hexenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

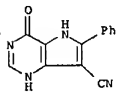


RN 587857-73-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(2-phenylethenyl)- (9CI) (CA INDEX NAME)

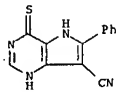


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

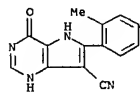
RN 587857-74-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



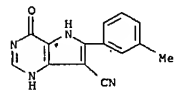
RN 587857-75-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



RN 587857-76-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)

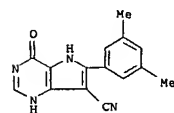


RN 587857-77-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)

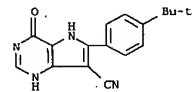


RN 587857-78-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(4-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)

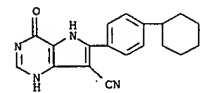
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,5-dimethylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



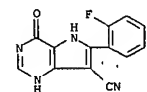
RN 587857-83-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[4-(1,1-dimethylethyl)phenyl]-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587857-84-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-cyclohexylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

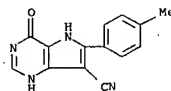


RN 587857-85-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-fluorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

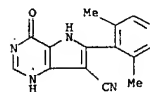


RN 587857-86-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-fluorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

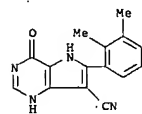
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
4-oxo- (9CI) (CA INDEX NAME)



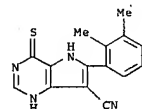
RN 587857-79-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,6-dimethylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587857-80-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,3-dimethylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

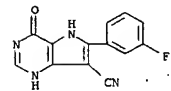


RN 587857-81-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,3-dimethylphenyl)-4,5-dihydro-4-thio- (9CI) (CA INDEX NAME)

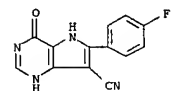


RN 587857-82-7 CAPLUS

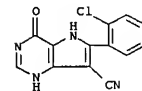
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



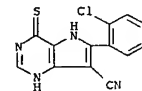
RN 587857-87-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-fluorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587857-88-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-chlorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

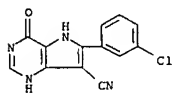


RN 587857-89-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-chlorophenyl)-4,5-dihydro-4-thio- (9CI) (CA INDEX NAME)

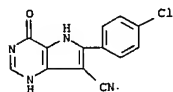


RN 587857-90-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-chlorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

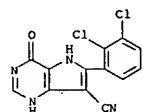
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



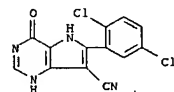
RN 587857-91-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-chlorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587857-92-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,3-dichlorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

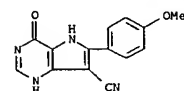


RN 587857-93-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,5-dichlorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

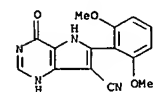


RN 587857-94-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,4-dichlorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

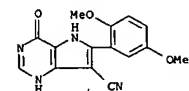
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



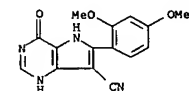
RN 587857-99-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,6-dimethoxyphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587858-00-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,5-dimethoxyphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

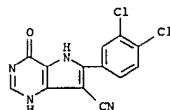


RN 587858-01-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,4-dimethoxyphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

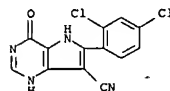


RN 587858-02-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,4-dimethoxyphenyl)-4,5-dihydro-4-thio- (9CI) (CA INDEX NAME)

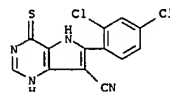
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



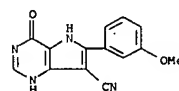
RN 587857-95-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,4-dichlorophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587857-96-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,4-dichlorophenyl)-4,5-dihydro-4-thio- (9CI) (CA INDEX NAME)

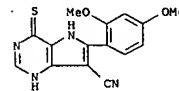


RN 587857-97-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-methoxyphenyl)-4-oxo- (9CI) (CA INDEX NAME)

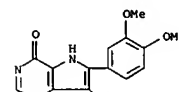


RN 587857-98-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-methoxyphenyl)-4-oxo- (9CI) (CA INDEX NAME)

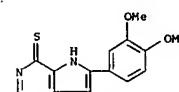
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



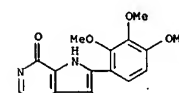
RN 587858-03-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,4-dimethoxyphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587858-04-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,4-dimethoxyphenyl)-4,5-dihydro-4-thio- (9CI) (CA INDEX NAME)

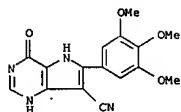


RN 587858-05-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(2,3,4-trimethoxyphenyl)- (9CI) (CA INDEX NAME)

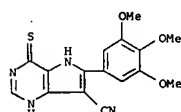


RN 587858-06-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)

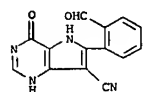
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



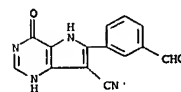
RN 587858-07-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-thioxo-6-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



RN 587858-08-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-formylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

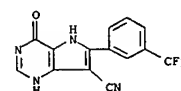


RN 587858-09-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-formylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

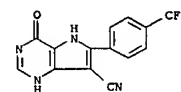


RN 587858-10-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-formylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

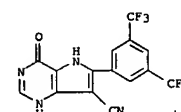
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



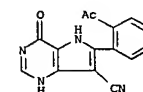
RN 587858-15-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 587858-16-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[3,5-bis(trifluoromethyl)phenyl]-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

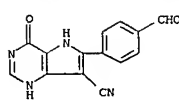


RN 587858-17-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-acetylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

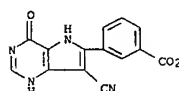


RN 587858-18-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-acetylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

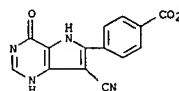
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



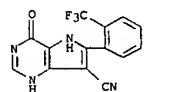
RN 587858-11-5 CAPLUS
CN Benzoic acid, 3-(7-cyano-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)- (9CI) (CA INDEX NAME)



RN 587858-12-6 CAPLUS
CN Benzoic acid, 4-(7-cyano-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)- (9CI) (CA INDEX NAME)

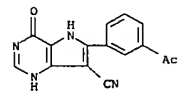


RN 587858-13-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-[2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

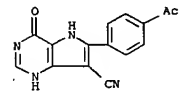


RN 587858-14-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

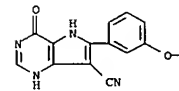
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



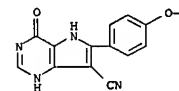
RN 587858-19-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-acetylphenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587858-20-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-[3-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

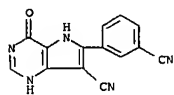


RN 587858-21-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

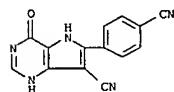


RN 587858-22-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-cyanophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

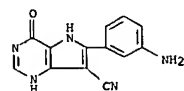
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



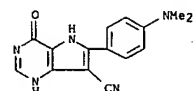
RN 587858-23-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-cyanophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587858-24-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-aminophenyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

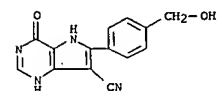


RN 587858-25-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[4-(dimethylamino)phenyl]-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



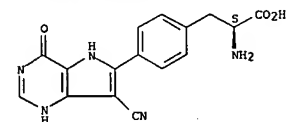
RN 587858-26-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-nitrophenyl)-4-oxo- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

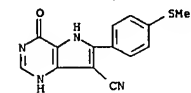


RN 587858-31-9 CAPLUS
CN L-Phenylalanine, 4-(7-cyano-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)- (9CI) (CA INDEX NAME)

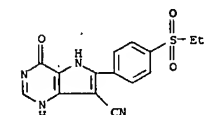
Absolute stereochemistry.



RN 587858-32-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-[4-(methylthio)phenyl]-4-oxo- (9CI) (CA INDEX NAME)

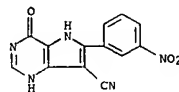


RN 587858-33-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[4-(ethylsulfonyl)phenyl]-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

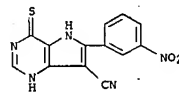


RN 587858-34-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(4-phenoxyphenyl)- (9CI) (CA INDEX NAME)

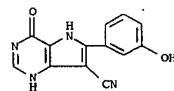
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



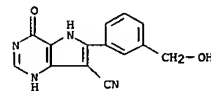
RN 587858-27-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-nitrophenyl)-4-thio- (9CI) (CA INDEX NAME)



RN 587858-28-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-hydroxyphenyl)-4-oxo- (9CI) (CA INDEX NAME)

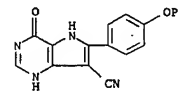


RN 587858-29-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-[4-(hydroxymethyl)phenyl]-4-oxo- (9CI) (CA INDEX NAME)

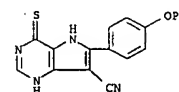


RN 587858-30-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-[4-(hydroxymethyl)phenyl]-4-oxo- (9CI) (CA INDEX NAME)

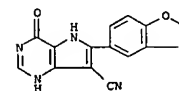
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



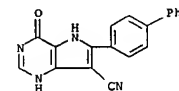
RN 587858-35-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(4-phenoxyphenyl)-4-thio- (9CI) (CA INDEX NAME)



RN 587858-36-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(1,3-benzodioxol-5-yl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

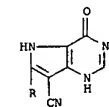
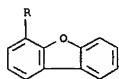


RN 587858-37-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[1,1'-biphenyl]-4-yl-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

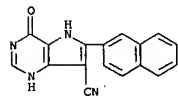


RN 587858-38-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-dibenzofuranyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

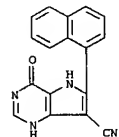
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587858-39-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-naphthalenyl)-4-oxo- (9CI) (CA INDEX NAME)

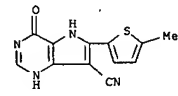


RN 587858-40-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(1-naphthalenyl)-4-oxo- (9CI) (CA INDEX NAME)

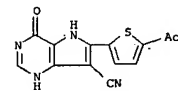


RN 587858-41-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(9-phenanthrenyl)- (9CI) (CA INDEX NAME)

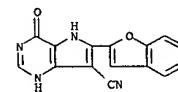
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



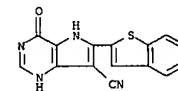
RN 587858-46-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(5-acetyl-2-thienyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 587858-47-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-benzofuranyl)-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

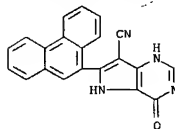


RN 587858-48-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-benzo[b]thien-2-yl-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

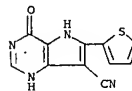


RN 587858-49-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-benzo[b]thien-3-yl-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

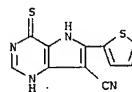
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



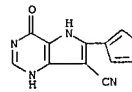
RN 587858-42-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 587858-43-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-thienyl)-4-thio- (9CI) (CA INDEX NAME)

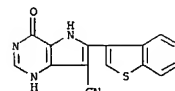


RN 587858-44-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(3-thienyl)- (9CI) (CA INDEX NAME)

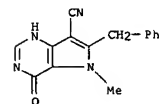


RN 587858-45-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(5-methyl-2-thienyl)-4-oxo- (9CI) (CA INDEX NAME)

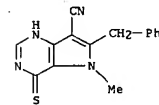
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



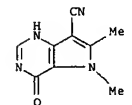
RN 587858-50-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-4-oxo-6-phenylmethyl- (9CI) (CA INDEX NAME)



RN 587858-51-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-6-phenylmethyl-4-thio- (9CI) (CA INDEX NAME)

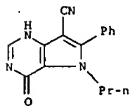


RN 587858-52-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5,6-dimethyl-4-oxo- (9CI) (CA INDEX NAME)

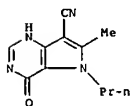


RN 587858-53-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-propyl- (9CI) (CA INDEX NAME)

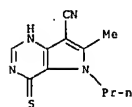
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



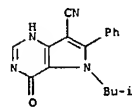
RN 587858-54-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-propyl- (9CI) (CA INDEX NAME)



RN 587858-55-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-propyl-4-thio- (9CI) (CA INDEX NAME)

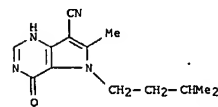


RN 587858-56-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(2-methylpropyl)-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

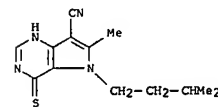


RN 587858-57-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-(2-methylpropyl)-4-oxo- (9CI) (CA INDEX NAME)

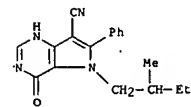
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



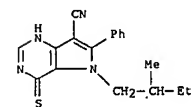
RN 587858-62-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2,2-dimethylpropyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587858-63-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-methylbutyl)-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

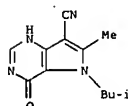


RN 587858-64-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(2-methylbutyl)-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

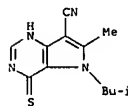


RN 587858-65-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-(2-methylbutyl)-4-oxo- (9CI) (CA INDEX NAME)

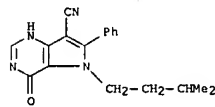
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



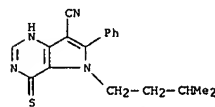
RN 587858-58-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-(2-methylpropyl)-4-thio- (9CI) (CA INDEX NAME)



RN 587858-59-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methylbutyl)-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

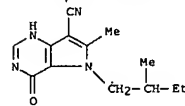


RN 587858-60-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methylbutyl)-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

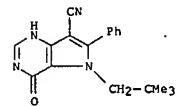


RN 587858-61-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-(3-methylbutyl)-4-oxo- (9CI) (CA INDEX NAME)

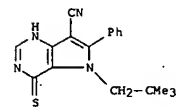
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



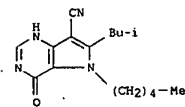
RN 587858-66-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2,2-dimethylpropyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587858-67-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2,2-dimethylpropyl)-4,5-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

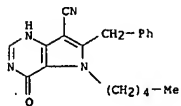


RN 587858-68-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methylpropyl)-4-oxo-5-pentyl- (9CI) (CA INDEX NAME)

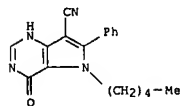


RN 587858-69-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-5-pentyl-6-(phenylmethyl)- (9CI) (CA INDEX NAME)

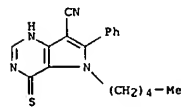
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



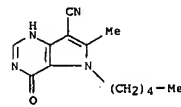
RN 587858-70-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-5-pentyl-6-phenyl- (9CI) (CA INDEX NAME)



RN 587858-71-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-pentyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

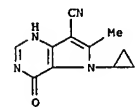


RN 587858-72-8 CAPLUS
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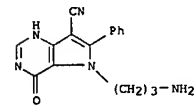


RN 587858-73-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-pentyl-4-thioxo- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

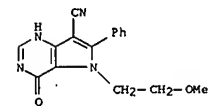


RN 587858-79-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-aminopropyl)-4,5-dihydro-4-oxo-6-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

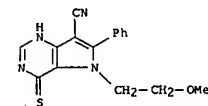


● HCl

RN 587858-80-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(2-methoxyethyl)-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

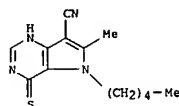


RN 587858-81-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(2-methoxyethyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

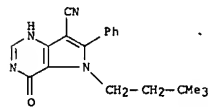


RN 587858-82-0 CAPLUS

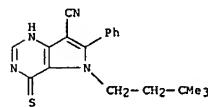
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



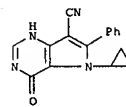
RN 587858-74-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3,3-dimethylbutyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587858-75-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3,3-dimethylbutyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



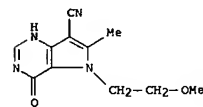
RN 587858-76-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-cyclopropyl-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



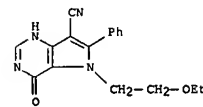
RN 587858-77-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-cyclopropyl-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

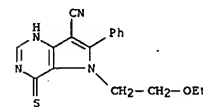
RN 587858-78-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-methoxyethyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



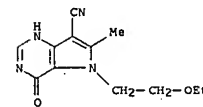
RN 587858-83-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-methoxyethyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587858-84-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-methoxyethyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

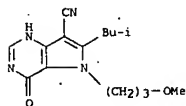


RN 587858-85-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-methoxyethyl)-4,5-dihydro-6-methyl-4-oxo- (9CI) (CA INDEX NAME)



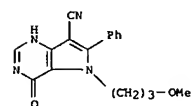
RN 587858-86-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methoxypropyl)-6-(2-methylpropyl)-4-oxo- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

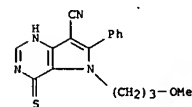


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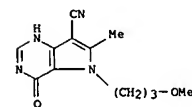
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



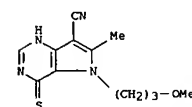
RN 587858-89-7 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methoxypropyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587858-90-0 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methoxypropyl)-6-methyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587858-91-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methoxypropyl)-6-methyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587858-92-2 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-ethoxypropyl)-4,5-dihydro-6-(2-methylpropyl)-4-oxo- (9CI) (CA INDEX NAME)

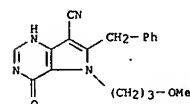
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate: prepn. of pyrrolopyrimidine derivs. as GSK-3 inhibitors)

RN 587858-87-5 CAPLUS

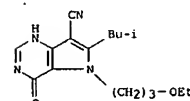
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methoxypropyl)-4-oxo-6-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 587858-88-6 CAPLUS

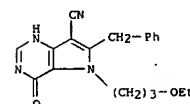
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methoxypropyl)-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



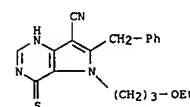
RN 587858-93-3 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-ethoxypropyl)-4,5-dihydro-4-oxo-6-(phenylmethyl)- (9CI) (CA INDEX NAME)



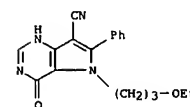
RN 587858-94-4 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-ethoxypropyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587858-95-5 CAPLUS

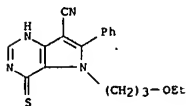
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-ethoxypropyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



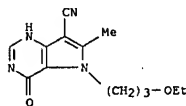
RN 587858-96-6 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-ethoxypropyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

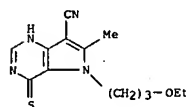
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



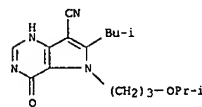
RN 587858-97-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-ethoxypropyl)-4,5-dihydro-6-methyl-4-oxo- (9CI) (CA INDEX NAME)



RN 587858-98-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-ethoxypropyl)-4,5-dihydro-6-methyl-4-thioxo- (9CI) (CA INDEX NAME)

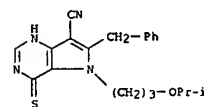


RN 587858-99-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(2-methylpropyl)-4-oxo- (9CI) (CA INDEX NAME)

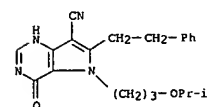


RN 587859-00-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(2-methylpropyl)-4-thioxo- (9CI) (CA INDEX NAME)

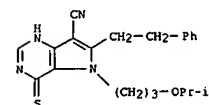
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
methylethoxy)propyl]-6-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



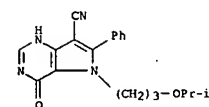
RN 587859-05-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587859-06-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)

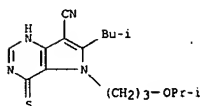


RN 587859-07-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

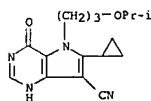


RN 587859-08-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

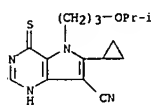
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



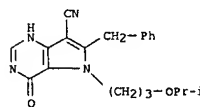
RN 587859-01-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-cyclopropyl-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 587859-02-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-cyclopropyl-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

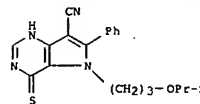


RN 587859-03-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-oxo-6-(phenylmethyl)- (9CI) (CA INDEX NAME)

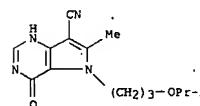


RN 587859-04-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

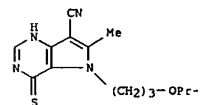
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



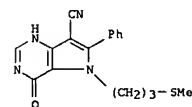
RN 587859-09-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-[3-(1-methylethoxy)propyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 587859-10-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

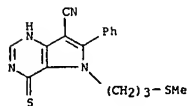


RN 587859-11-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

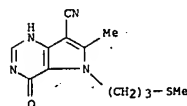


RN 587859-12-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

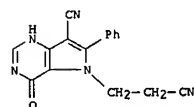
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



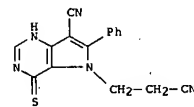
RN 587859-13-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-[3-(methylthio)propyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 587859-14-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanenitrile, 7-cyano-1,4-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

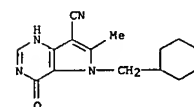


RN 587859-15-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanenitrile, 7-cyano-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

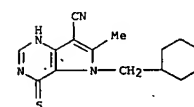


RN 587859-16-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(cyclopropylmethyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

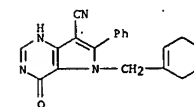
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



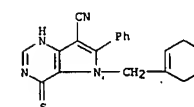
RN 587859-21-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(cyclohexylmethyl)-4,5-dihydro-6-methyl-4-oxo- (9CI) (CA INDEX NAME)



RN 587859-22-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(1-cyclohexen-1-ylmethyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

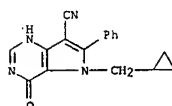


RN 587859-23-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(1-cyclohexen-1-ylmethyl)-4,5-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

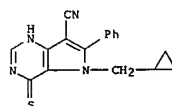


RN 587859-24-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(1-cyclohexen-1-ylmethyl)-4,5-dihydro-6-methyl-4-oxo- (9CI) (CA INDEX NAME)

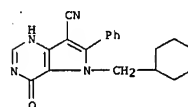
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



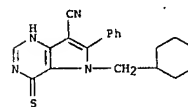
RN 587859-17-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(cyclopropylmethyl)-4,5-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



RN 587859-18-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(cyclohexylmethyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

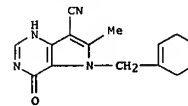


RN 587859-19-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(cyclohexylmethyl)-4,5-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

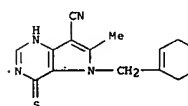


RN 587859-20-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(cyclohexylmethyl)-4,5-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

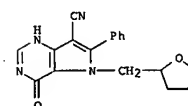
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



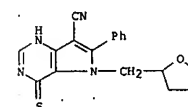
RN 587859-25-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(1-cyclohexen-1-ylmethyl)-4,5-dihydro-6-methyl-4-oxo- (9CI) (CA INDEX NAME)



RN 587859-26-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-[(tetrahydro-2-furanyl)methyl]- (9CI) (CA INDEX NAME)

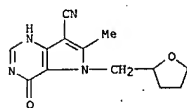


RN 587859-27-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-[(tetrahydro-2-furanyl)methyl]-4-thio- (9CI) (CA INDEX NAME)

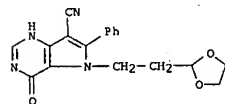


RN 587859-28-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-[(tetrahydro-2-furanyl)methyl]- (9CI) (CA INDEX NAME)

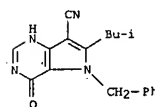
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



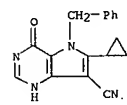
RN 587859-29-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[2-(1,3-dioxolan-2-yl)ethyl]-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587859-32-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methylpropyl)-4-oxo-5-(phenylmethyl)- (9CI) (CA INDEX NAME)

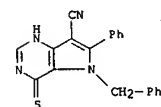


RN 587859-33-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-cyclopropyl-4,5-dihydro-4-oxo-5-(phenylmethyl)- (9CI) (CA INDEX NAME)

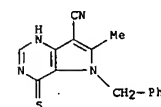


RN 587859-35-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-cyclopropyl-4,5-dihydro-5-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

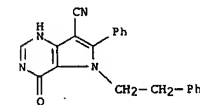
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



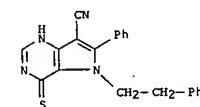
RN 587859-40-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587859-41-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-(2-phenylethyl)- (9CI) (CA INDEX NAME)

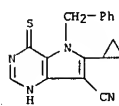


RN 587859-42-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-(2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)

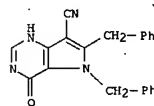


RN 587859-43-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-(2-phenylethyl)- (9CI) (CA INDEX NAME)

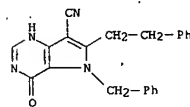
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



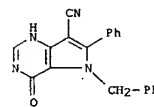
RN 587859-36-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-5,6-bis(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 587859-37-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(2-phenylethyl)-5-(phenylmethyl)- (9CI) (CA INDEX NAME)

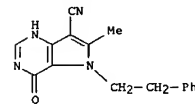


RN 587859-38-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-(phenylmethyl)- (9CI) (CA INDEX NAME)

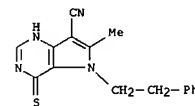


RN 587859-39-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-(3-phenylpropyl)-4-thioxo- (9CI) (CA INDEX NAME)

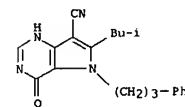
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



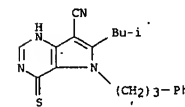
RN 587859-44-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-(2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587859-45-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methylpropyl)-4-oxo-5-(3-phenylpropyl)- (9CI) (CA INDEX NAME)

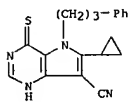


RN 587859-46-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methylpropyl)-5-(3-phenylpropyl)-4-thioxo- (9CI) (CA INDEX NAME)

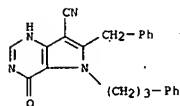


RN 587859-47-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-cyclopropyl-4,5-dihydro-5-(3-phenylpropyl)-4-thioxo- (9CI) (CA INDEX NAME)

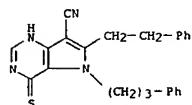
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



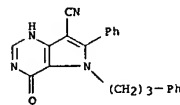
RN 587859-48-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(phenylmethyl)-5-(3-phenylpropyl)- (9CI) (CA INDEX NAME)



RN 587859-49-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-phenylethyl)-5-(3-phenylpropyl)-4-thio- (9CI) (CA INDEX NAME)

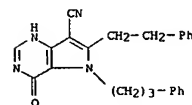


RN 587859-50-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-(3-phenylpropyl)- (9CI) (CA INDEX NAME)

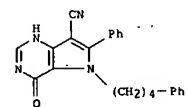


RN 587859-51-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-(3-phenylpropyl)-4-thio- (9CI) (CA INDEX NAME)

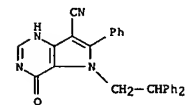
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



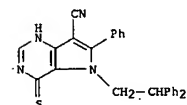
RN 587859-56-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-(4-phenylbutyl)- (9CI) (CA INDEX NAME)



RN 587859-57-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[(2,2-diphenylethyl)methyl]-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

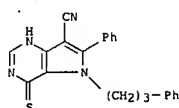


RN 587859-58-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[(2,2-diphenylethyl)methyl]-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

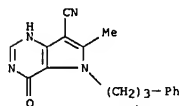


RN 587859-59-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-bromo-5-[(4-chlorophenyl)methyl]-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

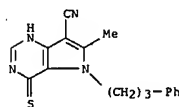
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



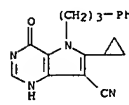
RN 587859-52-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-(3-phenylpropyl)- (9CI) (CA INDEX NAME)



RN 587859-53-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-(3-phenylpropyl)-4-thio- (9CI) (CA INDEX NAME)

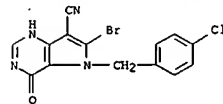


RN 587859-54-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-cyclopropyl-4,5-dihydro-4-oxo-5-(3-phenylpropyl)- (9CI) (CA INDEX NAME)

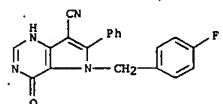


RN 587859-55-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-(2-phenylethyl)-5-(3-phenylpropyl)-4-thio- (9CI) (CA INDEX NAME)

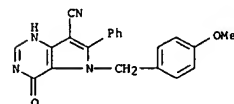
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



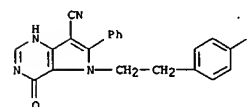
RN 587859-60-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[(4-fluorophenyl)methyl]-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587859-61-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[(4-methoxyphenyl)methyl]-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

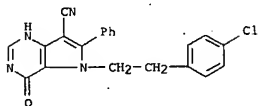


RN 587859-62-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[2-(4-fluorophenyl)ethyl]-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

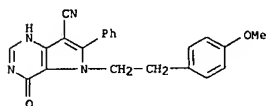


RN 587859-63-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[2-(4-chlorophenyl)ethyl]-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

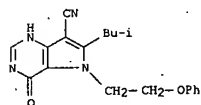
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



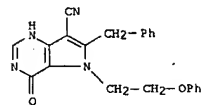
RN 587859-64-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-(4-methoxyphenyl)ethyl]-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587859-65-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methylpropyl)-4-oxo-5-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)

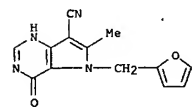


RN 587859-66-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-5-(2-phenoxyethyl)-6-(phenylmethyl)- (9CI) (CA INDEX NAME)

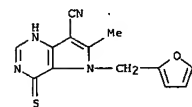


RN 587859-67-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-5-(2-phenoxyethyl)-6-phenyl- (9CI) (CA INDEX NAME)

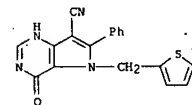
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



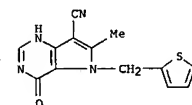
RN 587859-72-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-furanylmethyl)-4,5-dihydro-6-methyl-4-oxo- (9CI) (CA INDEX NAME)



RN 587859-73-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-(2-thienylmethyl)- (9CI) (CA INDEX NAME)

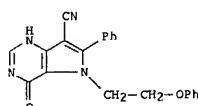


RN 587859-74-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-(2-thienylmethyl)- (9CI) (CA INDEX NAME)

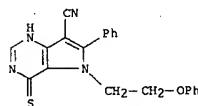


RN 587859-75-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[(5-methyl-2-furanyl)methyl]-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

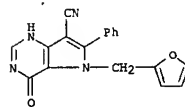
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



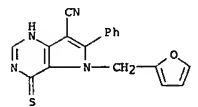
RN 587859-68-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(2-phenoxyethyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587859-69-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-furanylmethyl)-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

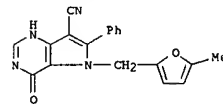


RN 587859-70-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-furanylmethyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

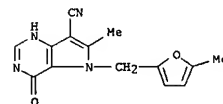


RN 587859-71-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-furanylmethyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

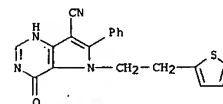
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



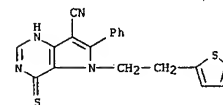
RN 587859-76-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-[(5-methyl-2-furanyl)methyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 587859-77-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-[2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)

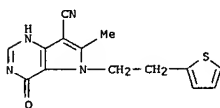


RN 587859-78-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-[2-(2-thienyl)ethyl]-4-thioxo- (9CI) (CA INDEX NAME)

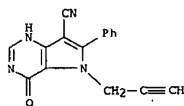


RN 587859-79-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-[2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)

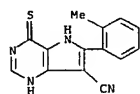
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



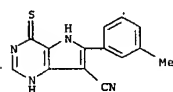
RN 587859-80-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-(2-propynyl)- (9CI) (CA INDEX NAME)



RN 587859-81-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methylphenyl)-4-thioxo- (9CI) (CA INDEX NAME)

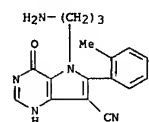


RN 587859-82-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-methylphenyl)-4-thioxo- (9CI) (CA INDEX NAME)

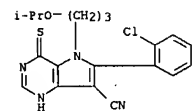


RN 587859-83-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-chlorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

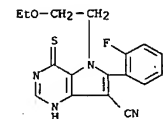
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



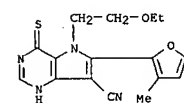
RN 587859-88-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-chlorophenyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 587859-89-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-ethoxyethyl)-6-(2-fluorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

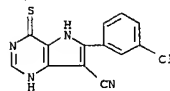


RN 587859-90-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-ethoxyethyl)-4,5-dihydro-6-(3-methyl-2-furanyl)-4-thioxo- (9CI) (CA INDEX NAME)

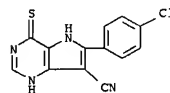


RN 587859-91-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-ethoxyethyl)-4,5-dihydro-6-(3-methyl-2-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)

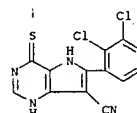
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



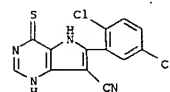
RN 587859-84-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-chlorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587859-85-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,3-dichlorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

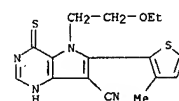


RN 587859-86-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,5-dichlorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

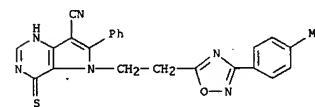


RN 587859-87-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-aminopropyl)-4,5-dihydro-6-(2-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)

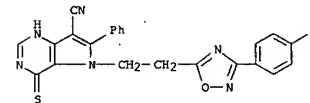
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



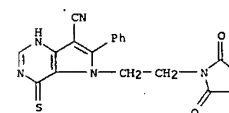
RN 587859-92-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-{3-(4-methylphenyl)-1,2,4-oxadiazol-5-yl}ethyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587859-93-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[2-{3-(4-fluorophenyl)-1,2,4-oxadiazol-5-yl}ethyl]-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

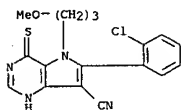


RN 587859-94-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[2-(2,5-dioxo-1-pyrrolidinyl)ethyl]-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

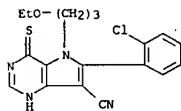


RN 587859-95-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-chlorophenyl)-4,5-dihydro-5-(3-methoxypropyl)-4-thioxo- (9CI) (CA INDEX NAME)

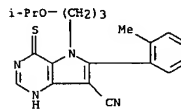
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



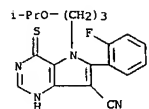
RN 587859-96-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-chlorophenyl)-5-[3-(methoxypropyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



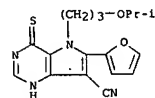
RN 587859-98-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(2-methylphenyl)-4-thioxo- (9CI) (CA INDEX NAME)



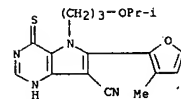
RN 587859-99-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-fluorophenyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)



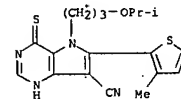
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



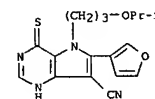
RN 587860-04-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(3-methyl-2-furanyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-05-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(3-methyl-2-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)



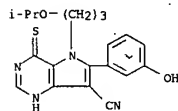
RN 587860-06-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-furanyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)



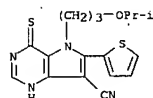
RN 587860-07-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,6-difluorophenyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

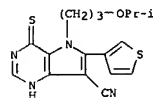
RN 587860-00-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-[3-(hydroxyphenyl)-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-01-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(2-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)

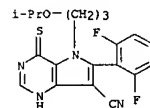


RN 587860-02-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(3-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)

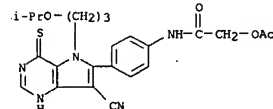


RN 587860-03-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-furanyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

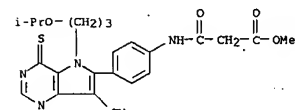
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



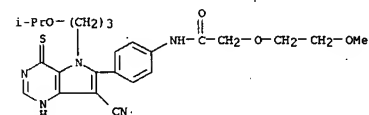
RN 587860-08-0 CAPLUS
CN Acetamide, 2-(acetyloxy)-N-[4-[7-cyano-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl]phenyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-09-1 CAPLUS
CN Propanoic acid, 3-[[4-[7-cyano-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl]phenyl]amino]-3-oxo-, methyl ester (9CI) (CA INDEX NAME)

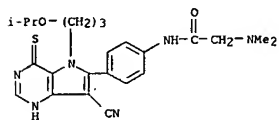


RN 587860-10-4 CAPLUS
CN Acetamide, N-[4-[7-cyano-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl]phenyl]-2-(2-methoxyethoxy)- (9CI) (CA INDEX NAME)

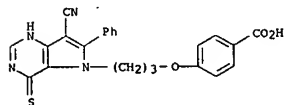


RN 587860-11-5 CAPLUS

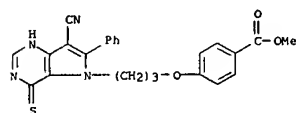
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Acetamide, N-[4-{7-cyano-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl}phenyl]-2-(dimethylamino)- (9CI) (CA INDEX NAME)



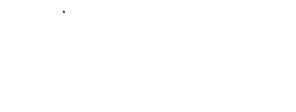
RN 587860-12-6 CAPLUS
 CN Benzoic acid, 4-{3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propoxy}- (9CI) (CA INDEX NAME)



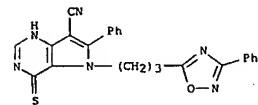
RN 587860-13-7 CAPLUS
 CN Benzoic acid, 4-{3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propoxy}-, methyl ester (9CI) (CA INDEX NAME)



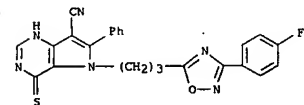
RN 587860-14-8 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-[3-(2-phenylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)



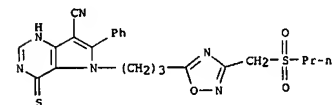
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 phenyl-1,2,4-oxadiazol-5-yl)propyl]-4-thioxo- (9CI) (CA INDEX NAME)



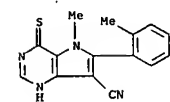
RN 587860-19-3 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[3-[3-(4-fluorophenyl)-1,2,4-oxadiazol-5-yl]propyl]-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-20-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-[3-[3-[(propylsulfonyl)methyl]-1,2,4-oxadiazol-5-yl]propyl]-4-thioxo- (9CI) (CA INDEX NAME)

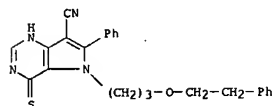


RN 587860-21-7 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-6-(2-methylphenyl)-4-thioxo- (9CI) (CA INDEX NAME)

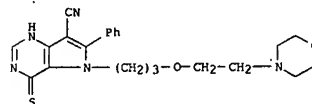


RN 587860-22-8 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-fluorophenyl)-4,5-dihydro-5-methyl-4-thioxo- (9CI) (CA INDEX NAME)

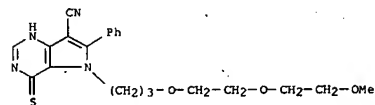
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



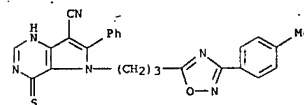
RN 587860-15-9 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(2-(4-morpholinyl)ethoxy)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-16-0 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(2-(2-methoxyethoxy)ethoxy)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

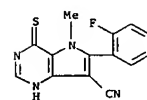


RN 587860-17-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-[3-(4-methylphenyl)-1,2,4-oxadiazol-5-yl]propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

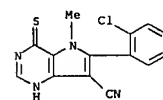


RN 587860-18-2 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-[3-(3-

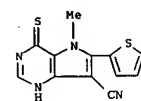
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



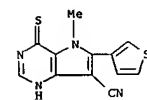
RN 587860-23-9 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-chlorophenyl)-4,5-dihydro-5-methyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-24-0 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-6-(2-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)

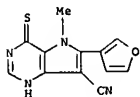


RN 587860-25-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-6-(3-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)

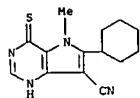


RN 587860-26-2 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-furanyl)-4,5-dihydro-5-methyl-4-thioxo- (9CI) (CA INDEX NAME)

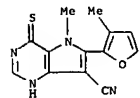
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



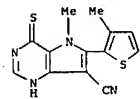
RN 587860-27-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-cyclohexyl-4,5-dihydro-5-methyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-28-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-6-(3-methyl-2-furanyl)-4-thioxo- (9CI) (CA INDEX NAME)

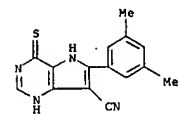


RN 587860-29-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-6-(3-methyl-2-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)

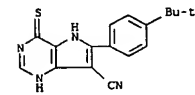


RN 587860-30-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-chlorophenyl)-4,5-dihydro-5-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

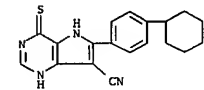
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
dihydro-4-thioxo- (9CI) (CA INDEX NAME)



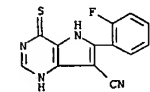
RN 587860-35-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[4-(1,1-dimethylethyl)phenyl]-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-36-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-cyclohexylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

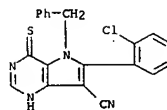


RN 587860-37-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-fluorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

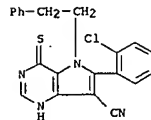


RN 587860-38-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-fluorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

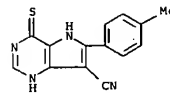
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



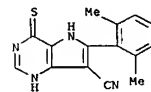
RN 587860-31-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-chlorophenyl)-4,5-dihydro-5-(2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-32-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(4-methylphenyl)-4-thioxo- (9CI) (CA INDEX NAME)

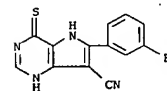


RN 587860-33-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,6-dimethylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

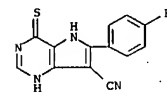


RN 587860-34-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,5-dimethylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

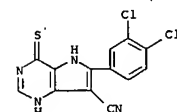
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



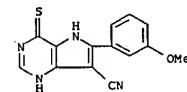
RN 587860-39-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-fluorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-40-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,4-dichlorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

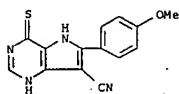


RN 587860-41-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-methoxyphenyl)-4-thioxo- (9CI) (CA INDEX NAME)

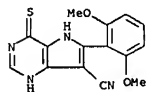


RN 587860-42-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(4-methoxyphenyl)-4-thioxo- (9CI) (CA INDEX NAME)

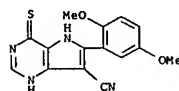
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



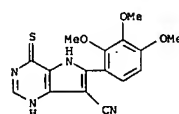
RN 587860-43-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,6-dimethoxyphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-44-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,5-dimethoxyphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

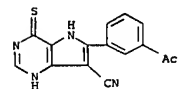


RN 587860-45-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-thioxo-6-(2,3,4-trimethoxyphenyl)- (9CI) (CA INDEX NAME)

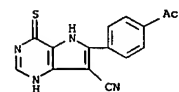


RN 587860-46-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-formylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

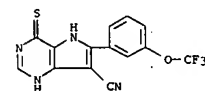
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



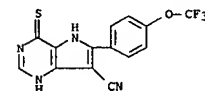
RN 587860-51-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-acetylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-52-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-thioxo-6-[3-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

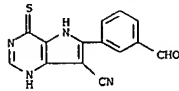


RN 587860-53-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-thioxo-6-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

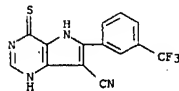


RN 587860-54-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-cyanophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

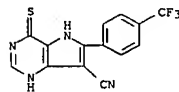
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



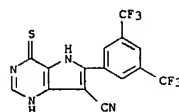
RN 587860-47-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-thioxo-6-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 587860-48-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-thioxo-6-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

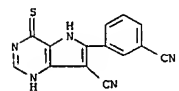


RN 587860-49-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[3,5-bis(trifluoromethyl)phenyl]-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

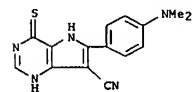


RN 587860-50-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-acetylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

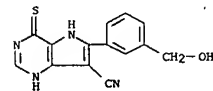
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



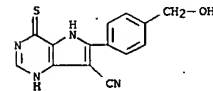
RN 587860-55-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[4-(dimethylamino)phenyl]-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-56-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-thioxo-6-[3-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)

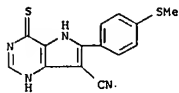


RN 587860-57-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-thioxo-6-[4-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)

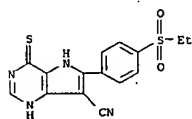


RN 587860-58-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-thioxo-6-[4-(methylthio)phenyl]- (9CI) (CA INDEX NAME)

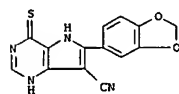
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587860-59-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[4-(ethylsulfonyl)phenyl]-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

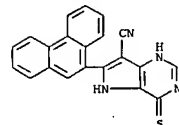


RN 587860-60-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(1,3-benzodioxol-5-yl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

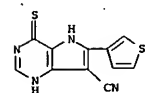


RN 587860-61-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-dibenzofuranyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

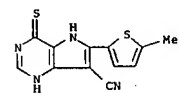
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



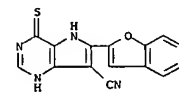
RN 587860-65-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-66-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(5-methyl-2-thienyl)-4-thioxo- (9CI) (CA INDEX NAME)

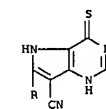
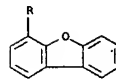


RN 587860-67-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-benzofuranyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

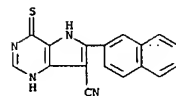


RN 587860-68-2 CAPLUS
CN Benzoic acid, 3-(7-cyano-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)-, ethyl ester (9CI) (CA INDEX NAME)

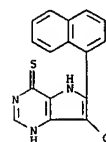
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587860-62-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-naphthalenyl)-4-thioxo- (9CI) (CA INDEX NAME)

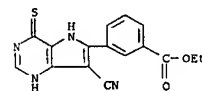


RN 587860-63-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(1-naphthalenyl)-4-thioxo- (9CI) (CA INDEX NAME)

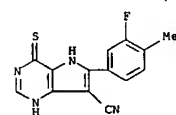


RN 587860-64-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(9-phenanthrenyl)-4-thioxo- (9CI) (CA INDEX NAME)

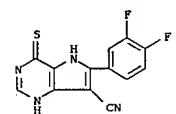
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



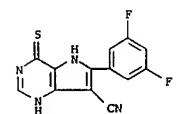
RN 587860-69-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-fluoro-4-methylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-70-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,4-difluorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

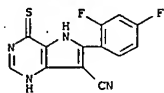


RN 587860-71-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,5-difluorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

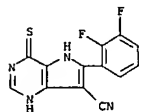


RN 587860-72-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,4-difluorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

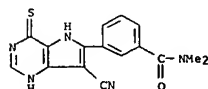
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



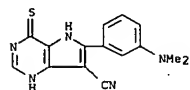
RN 587860-73-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,3-difluorophenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-74-0 CAPLUS
CN Benzanide, 3-(7-cyano-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)-N,N-dimethyl- (9CI) (CA INDEX NAME)

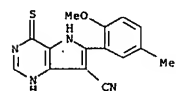


RN 587860-75-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[3-(dimethylamino)phenyl]-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

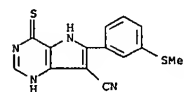


RN 587860-76-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-ethoxyphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

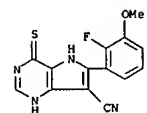
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



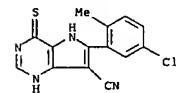
RN 587860-81-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-ethoxyphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-82-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-fluoro-3-methoxyphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

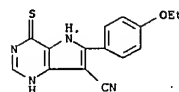


RN 587860-83-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(5-chloro-2-methylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

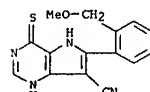


RN 587860-84-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(5-chloro-2-methoxyphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

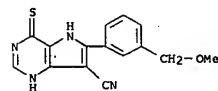
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



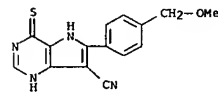
RN 587860-77-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-[2-(methoxymethyl)phenyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-78-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-[3-(methoxymethyl)phenyl]-4-thioxo- (9CI) (CA INDEX NAME)

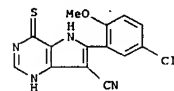


RN 587860-79-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-[4-(methoxymethyl)phenyl]-4-thioxo- (9CI) (CA INDEX NAME)

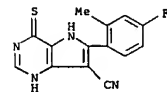


RN 587860-80-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(2-methoxy-5-methylphenyl)-4-thioxo- (9CI) (CA INDEX NAME)

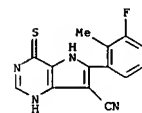
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



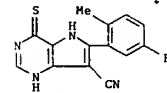
RN 587860-85-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(4-fluoro-2-methylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587860-86-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3-fluoro-2-methylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

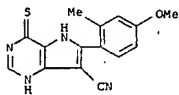


RN 587860-87-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(5-fluoro-2-methylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

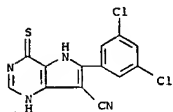


RN 587860-88-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(4-methoxy-2-methylphenyl)-4-thioxo- (9CI) (CA INDEX NAME)

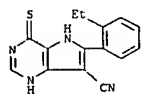
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



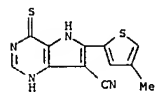
RN 587860-89-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,5-dichlorophenyl)-4,5-dihydro-4-thio- (9CI) (CA INDEX NAME)



RN 587860-90-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-ethylphenyl)-4,5-dihydro-4-thio- (9CI) (CA INDEX NAME)

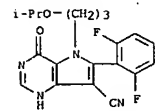


RN 587860-91-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(4-methyl-2-thienyl)-4-thio- (9CI) (CA INDEX NAME)

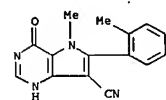


RN 587860-92-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-pyridinyl)-4-thio- (9CI) (CA INDEX NAME)

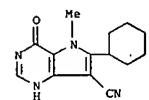
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



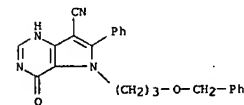
RN 587860-97-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-6-(2-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 587860-98-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-cyclohexyl-4,5-dihydro-5-methyl-4-oxo- (9CI) (CA INDEX NAME)

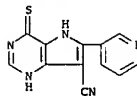


RN 587860-99-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-6-phenyl-5-[3-(phenylmethoxy)propyl]- (9CI) (CA INDEX NAME)

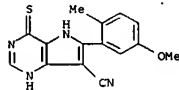


RN 587861-00-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methoxypropyl)-6-(4-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)

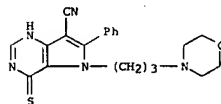
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



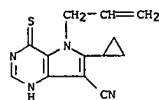
RN 587860-93-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(5-methoxy-2-methylphenyl)-4-thio- (9CI) (CA INDEX NAME)



RN 587860-94-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(4-morpholinyl)propyl]-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

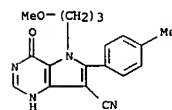


RN 587860-95-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-cyclopropyl-4,5-dihydro-5-(2-propenyl)-4-thio- (9CI) (CA INDEX NAME)

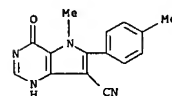


RN 587860-96-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,6-difluorophenyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-oxo- (9CI) (CA INDEX NAME)

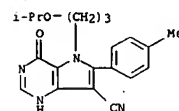
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



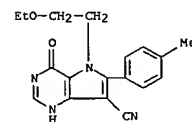
RN 587861-01-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-methyl-6-(4-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 587861-02-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(4-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)

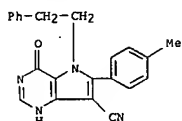


RN 587861-03-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(2-ethoxyethyl)-4,5-dihydro-6-(4-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)

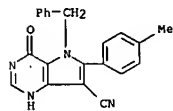


RN 587861-04-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(4-methylphenyl)-4-oxo-5-(2-phenylethyl)- (9CI) (CA INDEX NAME)

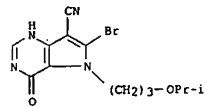
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



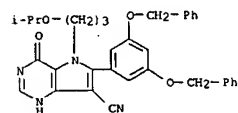
RN 587861-05-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(4-methylphenyl)-4-oxo-5-(phenylmethyl)- (9CI) (CA INDEX NAME)



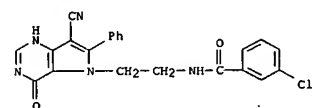
RN 587861-06-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-bromo-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-oxo- (9CI) (CA INDEX NAME)



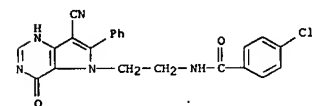
RN 587861-07-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[3,5-bis(phenylmethoxy)phenyl]-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-oxo- (9CI) (CA INDEX NAME)



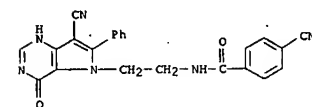
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



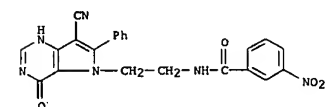
RN 587861-12-9 CAPLUS
CN Benzamide, 4-chloro-N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587861-13-0 CAPLUS
CN Benzamide, 4-cyano-N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



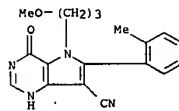
RN 587861-14-1 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-nitro- (9CI) (CA INDEX NAME)



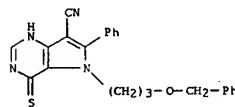
RN 587861-15-2 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-nitro- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

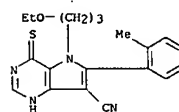
RN 587861-08-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-methoxypropyl)-6-(2-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 587861-09-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-phenyl-5-[3-(phenylmethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)

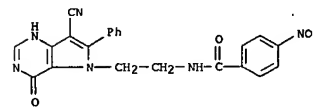


RN 587861-10-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-ethoxypropyl)-4,5-dihydro-6-(2-methylphenyl)-4-thio- (9CI) (CA INDEX NAME)

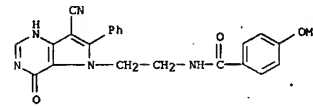


RN 587861-11-8 CAPLUS
CN Benzamide, 3-chloro-N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

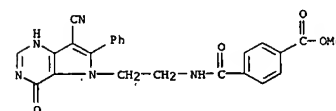
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



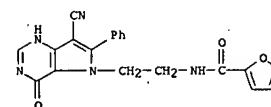
RN 587861-16-3 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-methoxy- (9CI) (CA INDEX NAME)



RN 587861-17-4 CAPLUS
CN Benzoic acid, 4-[[[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

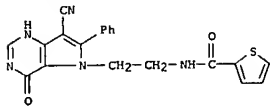


RN 587861-18-5 CAPLUS
CN 2-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

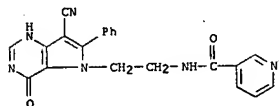


RN 587861-19-6 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

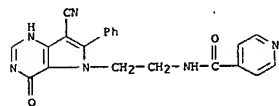
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



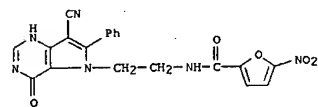
RN 587861-20-9 CAPLUS
CN 3-Pyridinecarboxamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587861-21-0 CAPLUS
CN 4-Pyridinecarboxamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587861-22-1 CAPLUS
CN 2-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-nitro- (9CI) (CA INDEX NAME)



RN 587861-23-2 CAPLUS
CN 4-Isoxazolecarboxamide, N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

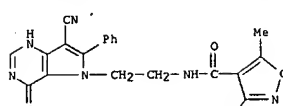
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

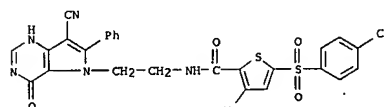
(drug candidate; prepn. of pyrrolopyrimidine derivs. as GSK-3 inhibitors)

RN 587861-25-4 CAPLUS
CN Benzenehexaamide, 4-chloro-N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-α,α-dimethyl- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

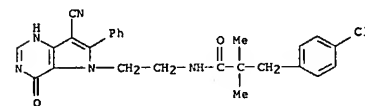


RN 587861-24-3 CAPLUS
CN 2-Thiophenecarboxamide, 5-[(4-chlorophenyl)sulfonyl]-N-[2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methyl- (9CI) (CA INDEX NAME)

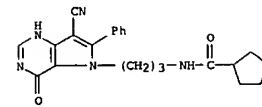


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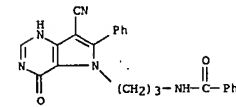
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



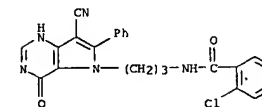
RN 587861-26-5 CAPLUS
CN Cyclopentanecarboxamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)



RN 587861-27-6 CAPLUS
CN Benzamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)

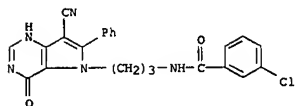


RN 587861-28-7 CAPLUS
CN Benzamide, 2-chloro-N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)

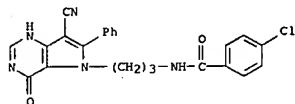


RN 587861-29-8 CAPLUS
CN Benzamide, 3-chloro-N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)

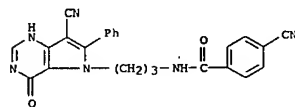
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



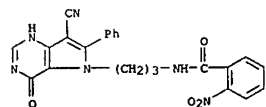
RN 587861-30-1 CAPLUS
CN Benzamide, 4-chloro-N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)



RN 587861-31-2 CAPLUS
CN Benzamide, 4-cyano-N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)



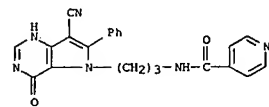
RN 587861-32-3 CAPLUS
CN Benzamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-2-nitro- (9CI) (CA INDEX NAME)



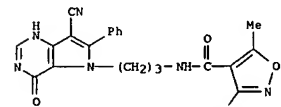
RN 587861-33-4 CAPLUS
CN Benzamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-3-nitro- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

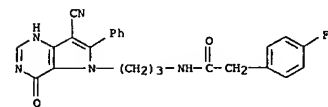
RN 587861-37-8 CAPLUS
CN 4-Pyridinecarboxamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)



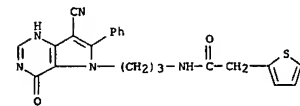
RN 587861-38-9 CAPLUS
CN 4-Isoxazolecarboxamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



RN 587861-39-0 CAPLUS
CN Benzeneacetamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-4-fluoro- (9CI) (CA INDEX NAME)

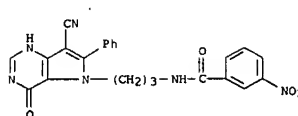


RN 587861-40-3 CAPLUS
CN 2-Thiopheneacetamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)

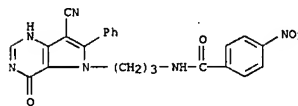


RN 587861-41-4 CAPLUS
CN Benzenepropanamide, 4-chloro-N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)

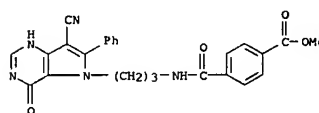
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



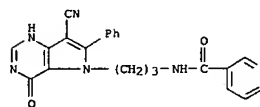
RN 587861-34-5 CAPLUS
CN Benzamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-4-nitro- (9CI) (CA INDEX NAME)



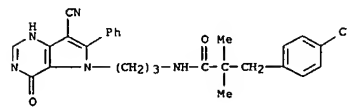
RN 587861-35-6 CAPLUS
CN Benzoic acid, 4-[[[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



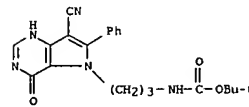
RN 587861-36-7 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)



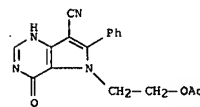
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-α,α-dimethyl- (9CI) (CA INDEX NAME)



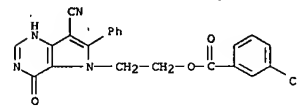
RN 587861-42-5 CAPLUS
CN Carbamic acid, [3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 587861-43-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidin-7-carbonitrile, 5-[2-(acetyloxy)ethyl]-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

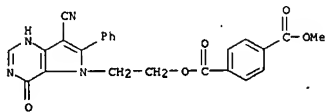


RN 587861-44-7 CAPLUS
CN Benzoic acid, 3-chloro-, 2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl ester (9CI) (CA INDEX NAME)

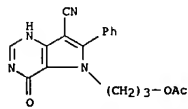


RN 587861-45-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl methyl ester (9CI) (CA INDEX NAME)

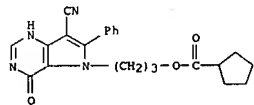
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



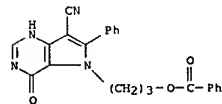
RN 587861-46-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[3-(acetyloxy)propyl]-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587861-47-0 CAPLUS
CN Cyclopentanecarboxylic acid, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)

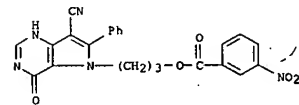


RN 587861-48-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[3-(benzoyloxy)propyl]-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

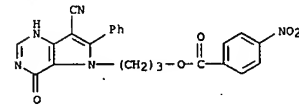


RN 587861-49-2 CAPLUS
CN Benzoic acid, 2-chloro-, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)

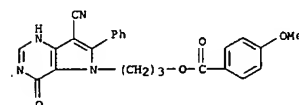
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-[(3-nitrobenzoyl)oxy]propyl]-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



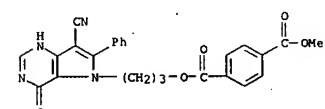
RN 587861-54-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-[(4-nitrobenzoyl)oxy]propyl]-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)



RN 587861-55-0 CAPLUS
CN Benzoic acid, 4-methoxy-, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)

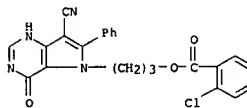


RN 587861-56-1 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl methyl ester (9CI) (CA INDEX NAME)

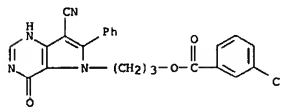


RN 587861-57-2 CAPLUS
CN 2-Furancarboxylic acid, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)

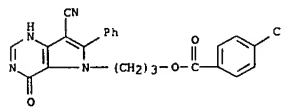
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)



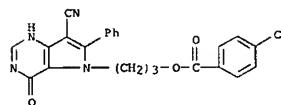
RN 587861-50-5 CAPLUS
CN Benzoic acid, 3-chloro-, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)



RN 587861-51-6 CAPLUS
CN Benzoic acid, 4-chloro-, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)

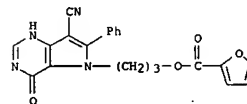


RN 587861-52-7 CAPLUS
CN Benzoic acid, 4-cyano-, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)

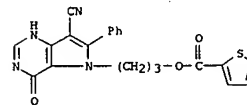


RN 587861-53-8 CAPLUS

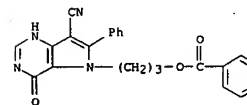
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



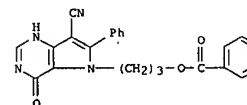
RN 587861-58-3 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)



RN 587861-59-4 CAPLUS
CN 3-Pyridinecarboxylic acid, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)

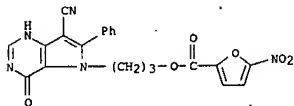


RN 587861-60-7 CAPLUS
CN 2-Furancarboxylic acid, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)

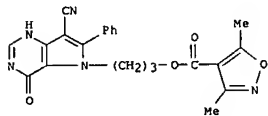


RN 587861-61-8 CAPLUS
CN 2-Furancarboxylic acid, 5-nitro-, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)

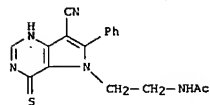
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



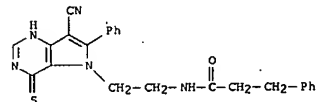
RN 587861-62-9 CAPLUS
CN 4-isoxazolecarboxylic acid, 3,5-dimethyl-, 3-(7-cyano-1,4-dihydro-4-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl ester (9CI) (CA INDEX NAME)



RN 587861-63-0 CAPLUS
CN Acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

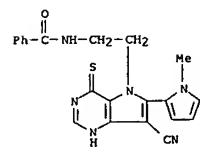


RN 587861-64-1 CAPLUS
CN Benzenepropanamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

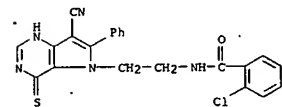


RN 587861-65-2 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

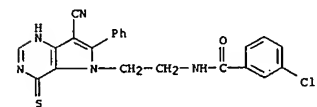
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



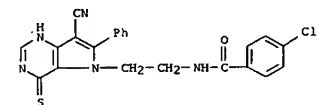
RN 587861-69-6 CAPLUS
CN Benzamide, 2-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587861-70-9 CAPLUS
CN Benzamide, 3-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

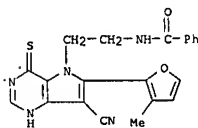


RN 587861-71-0 CAPLUS
CN Benzamide, 4-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

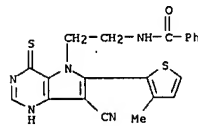


RN 587861-72-1 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-fluoro- (9CI) (CA INDEX NAME)

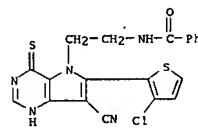
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587861-66-3 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

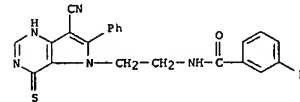


RN 587861-67-4 CAPLUS
CN Benzamide, N-[2-(6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

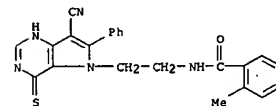


RN 587861-68-5 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

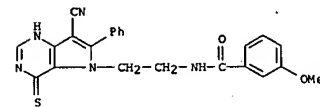
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



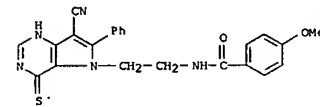
RN 587861-73-2 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 587861-74-3 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methoxy- (9CI) (CA INDEX NAME)

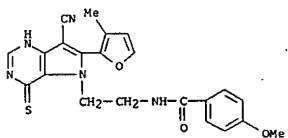


RN 587861-75-4 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-methoxy- (9CI) (CA INDEX NAME)

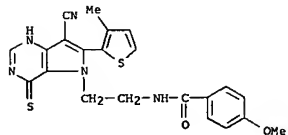


RN 587861-76-5 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-methoxy- (9CI) (CA INDEX NAME)

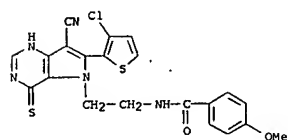
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587861-77-6 CAPLUS
CN Benzamide, N-[2-[7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-methoxy- (9CI) (CA INDEX NAME)

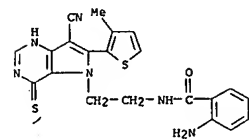


RN 587861-78-7 CAPLUS
CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-methoxy- (9CI) (CA INDEX NAME)

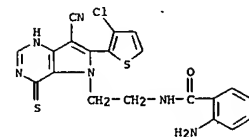


RN 587861-79-8 CAPLUS
CN Benzamide, N-[2-[7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-methoxy- (9CI) (CA INDEX NAME)

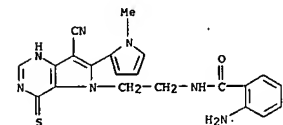
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587861-83-4 CAPLUS
CN Benzamide, 2-amino-N-[2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-3-methyl- (9CI) (CA INDEX NAME)

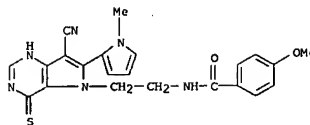


RN 587861-84-5 CAPLUS
CN Benzamide, 2-amino-N-[2-[7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-3-methyl- (9CI) (CA INDEX NAME)

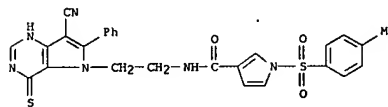


RN 587861-85-6 CAPLUS
CN Benzamide, 2-amino-N-[2-[7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-3-methyl- (9CI) (CA INDEX NAME)

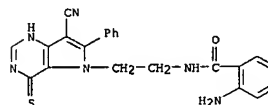
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587861-80-1 CAPLUS
CN Benzamide, N-[2-[7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

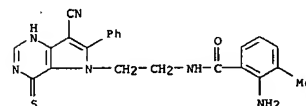


RN 587861-81-2 CAPLUS
CN Benzamide, 2-amino-N-[2-[7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]- (9CI) (CA INDEX NAME)

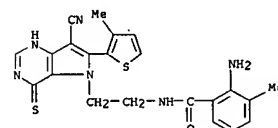


RN 587861-82-3 CAPLUS
CN Benzamide, 2-amino-N-[2-[7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]- (9CI) (CA INDEX NAME)

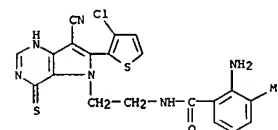
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587861-86-7 CAPLUS
CN Benzamide, 2-amino-N-[2-[7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-3-methyl- (9CI) (CA INDEX NAME)

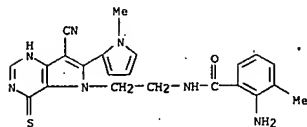


RN 587861-87-8 CAPLUS
CN Benzamide, 2-amino-N-[2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-3-methyl- (9CI) (CA INDEX NAME)

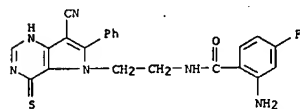


RN 587861-88-9 CAPLUS
CN Benzamide, 2-amino-N-[2-[7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-3-methyl- (9CI) (CA INDEX NAME)

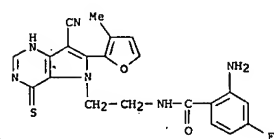
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587861-89-0 CAPLUS
CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

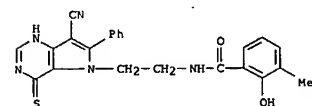


RN 587861-90-3 CAPLUS
CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

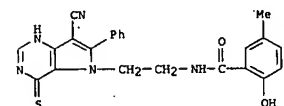


RN 587861-91-4 CAPLUS
CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

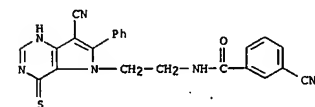
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



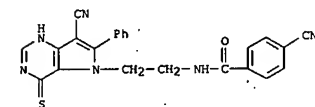
RN 587861-95-8 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-hydroxy-3-methyl- (9CI) (CA INDEX NAME)



RN 587861-96-9 CAPLUS
CN Benzamide, 3-cyano-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

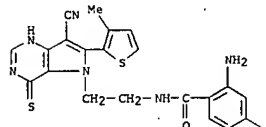


RN 587861-97-0 CAPLUS
CN Benzamide, 4-cyano-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

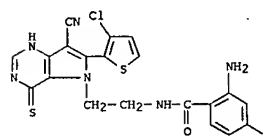


RN 587861-98-1 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-hydroxy- (9CI) (CA INDEX NAME)

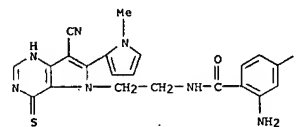
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587861-92-5 CAPLUS
CN Benzamide, 2-amino-N-[2-(6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

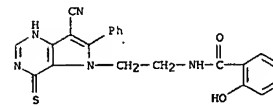


RN 587861-93-6 CAPLUS
CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

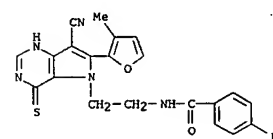


RN 587861-94-7 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-hydroxy-3-methyl- (9CI) (CA INDEX NAME)

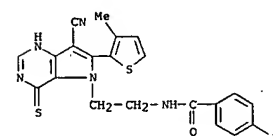
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587861-99-2 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

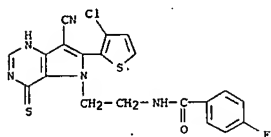


RN 587862-00-8 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

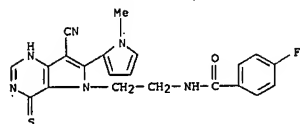


RN 587862-01-9 CAPLUS
CN Benzamide, N-[2-(6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

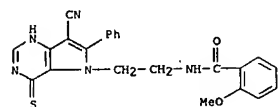
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587862-02-0 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

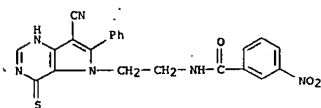


RN 587862-03-1 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methoxy- (9CI) (CA INDEX NAME)

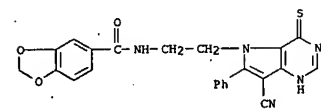


RN 587862-04-2 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

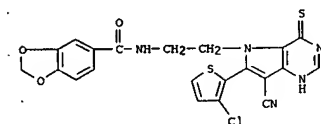
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



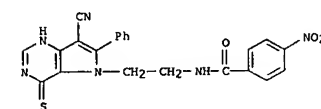
RN 587862-09-7 CAPLUS
 CN 1,3-Benzodioxole-5-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587862-10-0 CAPLUS
 CN 1,3-Benzodioxole-5-carboxamide, N-[2-(6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

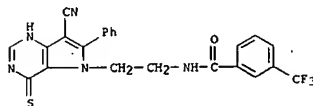


RN 587862-11-1 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-nitro- (9CI) (CA INDEX NAME)

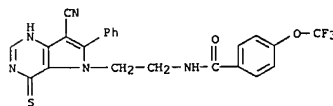


RN 587862-12-2 CAPLUS
 CN Benzoic acid, 4-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

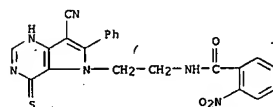
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



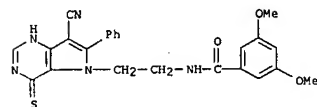
RN 587862-05-3 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



RN 587862-06-4 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-nitro- (9CI) (CA INDEX NAME)

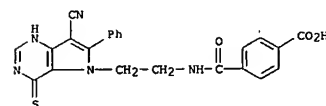


RN 587862-07-5 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3,5-dimethoxy- (9CI) (CA INDEX NAME)

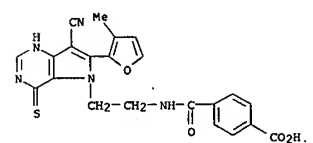


RN 587862-08-6 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-nitro- (9CI) (CA INDEX NAME)

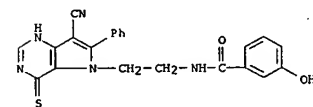
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



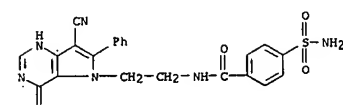
RN 587862-13-3 CAPLUS
 CN Benzoic acid, 4-[[[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 587862-14-4 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-hydroxy- (9CI) (CA INDEX NAME)

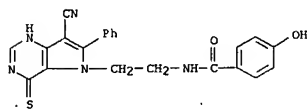


RN 587862-15-5 CAPLUS
 CN Benzamide, 4-(aminosulfonyl)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

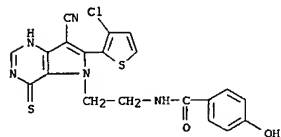


RN 587862-16-6 CAPLUS

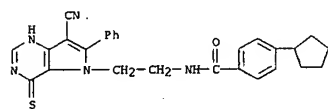
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-hydroxy- (9CI) (CA INDEX NAME)



RN 587862-17-7 CAPLUS
 CN Benzamide, N-[2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-hydroxy- (9CI) (CA INDEX NAME)



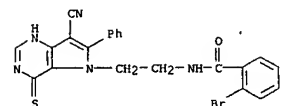
RN 587862-18-8 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-cyclopentyl- (9CI) (CA INDEX NAME)



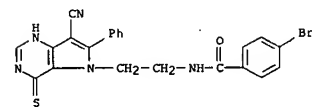
RN 587862-19-9 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-methyl- (9CI) (CA INDEX NAME)



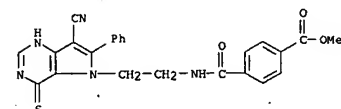
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587862-24-6 CAPLUS
 CN Benzamide, 4-bromo-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



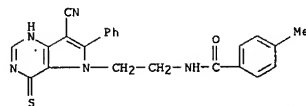
RN 587862-25-7 CAPLUS
 CN Benzoic acid, 4-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



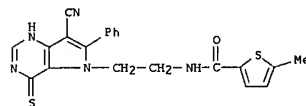
RN 587862-26-8 CAPLUS
 CN Benzoic acid, 4-[[[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



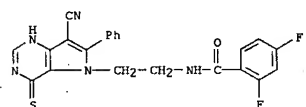
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



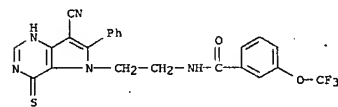
RN 587862-20-2 CAPLUS
 CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-methyl- (9CI) (CA INDEX NAME)



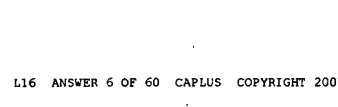
RN 587862-21-3 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,4-difluoro- (9CI) (CA INDEX NAME)



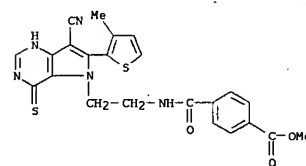
RN 587862-22-4 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



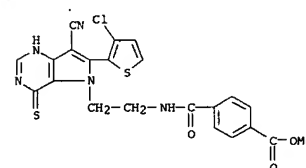
RN 587862-23-5 CAPLUS
 CN Benzamide, 2-bromo-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



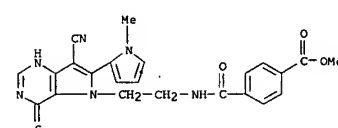
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587862-27-9 CAPLUS
 CN Benzoic acid, 4-[[[2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



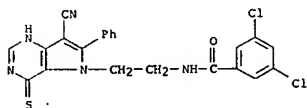
RN 587862-28-0 CAPLUS
 CN Benzoic acid, 4-[[[2-[7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



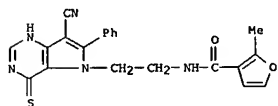
RN 587862-29-1 CAPLUS
 CN Benzamide, 3,5-dichloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



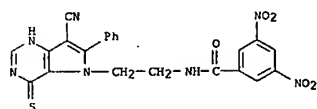
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



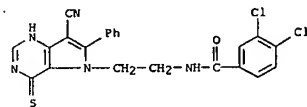
RN 587862-30-4 CAPLUS
CN 3-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 587862-31-5 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3,5-dinitro- (9CI) (CA INDEX NAME)

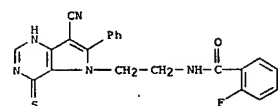


RN 587862-32-6 CAPLUS
CN Benzamide, 3,4-dichloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

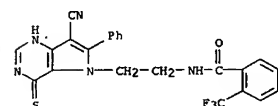


RN 587862-33-7 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3,4-dimethoxy- (9CI) (CA INDEX NAME)

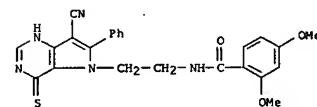
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



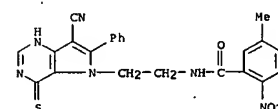
RN 587862-37-1 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 587862-38-2 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,4-dimethoxy- (9CI) (CA INDEX NAME)

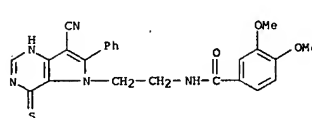


RN 587862-39-3 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-methyl-2-nitro- (9CI) (CA INDEX NAME)

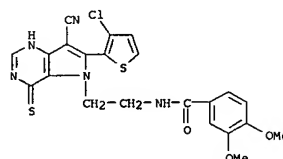


RN 587862-40-6 CAPLUS
CN Carbamic acid, [2-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

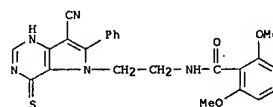
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587862-34-8 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3,4-dimethoxy- (9CI) (CA INDEX NAME)

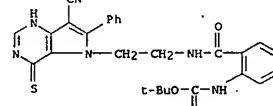


RN 587862-35-9 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)

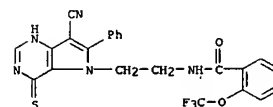


RN 587862-36-0 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-fluoro- (9CI) (CA INDEX NAME)

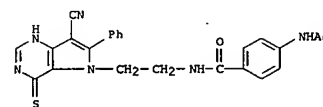
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



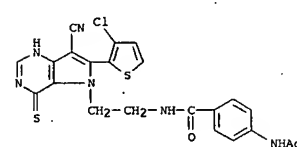
RN 587862-41-7 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



RN 587862-42-8 CAPLUS
CN Benzamide, 4-(acetyl amino)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

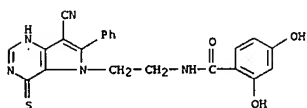


RN 587862-43-9 CAPLUS
CN Benzamide, 4-(acetyl amino)-N-[2-(6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

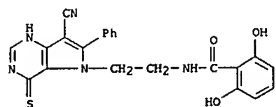


RN 587862-44-0 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

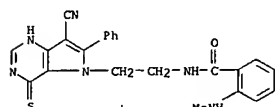
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
d]pyrimidin-5-yl)ethyl]-2,4-dihydroxy- (9CI) (CA INDEX NAME)



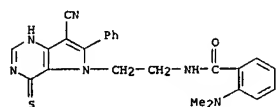
RN 587862-45-1 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,6-dihydroxy- (9CI) (CA INDEX NAME)



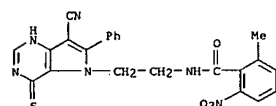
RN 587862-46-2 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-(methylamino)- (9CI) (CA INDEX NAME)



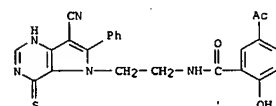
RN 587862-47-3 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-(dimethylamino)- (9CI) (CA INDEX NAME)



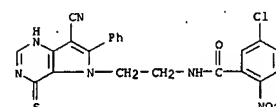
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



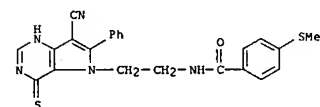
RN 587862-52-0 CAPLUS
CN Benzamide, 5-acetyl-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-hydroxy- (9CI) (CA INDEX NAME)



RN 587862-53-1 CAPLUS
CN Benzamide, 5-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-nitro- (9CI) (CA INDEX NAME)



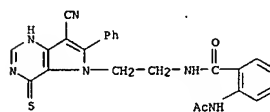
RN 587862-54-2 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-(methylthio)- (9CI) (CA INDEX NAME)



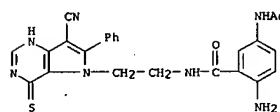
RN 587862-55-3 CAPLUS
CN Benzamide, 3-(acetylamino)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

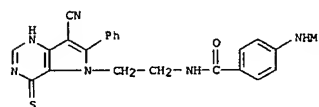
RN 587862-48-4 CAPLUS
CN Benzamide, 2-(acetylamino)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587862-49-5 CAPLUS
CN Benzamide, 5-(acetylamino)-2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

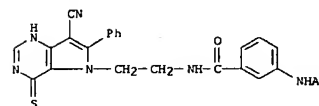


RN 587862-50-8 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-(methylamino)- (9CI) (CA INDEX NAME)

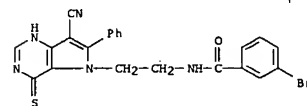


RN 587862-51-9 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methyl-6-nitro- (9CI) (CA INDEX NAME)

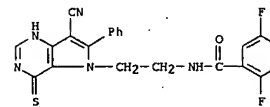
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



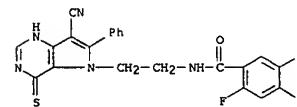
RN 587862-56-4 CAPLUS
CN Benzamide, 3-bromo-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587862-57-5 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,5-difluoro- (9CI) (CA INDEX NAME)

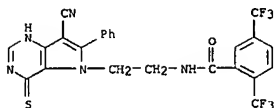


RN 587862-58-6 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,4,5-trifluoro- (9CI) (CA INDEX NAME)

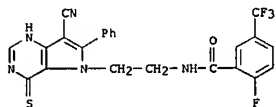


RN 587862-59-7 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)

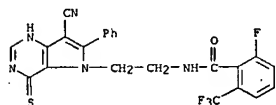
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



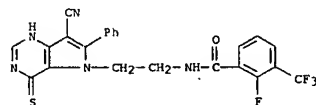
RN 587862-60-0 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-fluoro-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



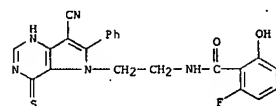
RN 587862-61-1 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-fluoro-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



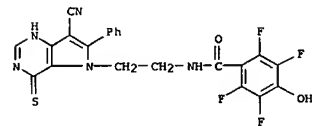
RN 587862-62-2 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-fluoro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



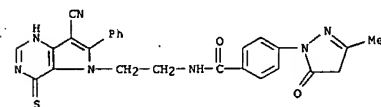
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



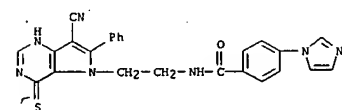
RN 587862-67-7 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,3,5,6-tetrafluoro-4-hydroxy- (9CI) (CA INDEX NAME)



RN 587862-68-8 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-(1H-imidazol-1-yl)- (9CI) (CA INDEX NAME)



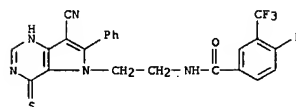
RN 587862-69-9 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-(1H-imidazol-1-yl)- (9CI) (CA INDEX NAME)



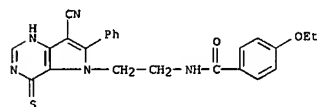
RN 587862-70-2 CAPLUS
 CN Carbanic acid, [4-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]phenyl]-, (9CI)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

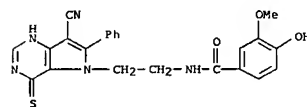
RN 587862-63-3 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 587862-64-4 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-ethoxy- (9CI) (CA INDEX NAME)



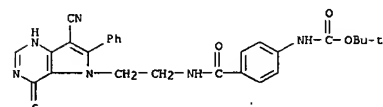
RN 587862-65-5 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-hydroxy-3-methoxy- (9CI) (CA INDEX NAME)



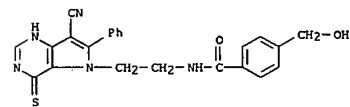
RN 587862-66-6 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-fluoro-6-hydroxy- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

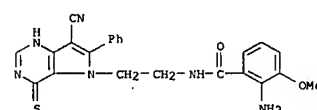
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



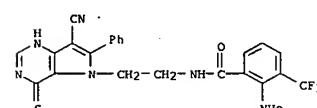
RN 587862-71-3 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-(hydroxymethyl)- (9CI) (CA INDEX NAME)



RN 587862-72-4 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methoxy- (9CI) (CA INDEX NAME)

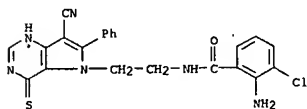


RN 587862-73-5 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

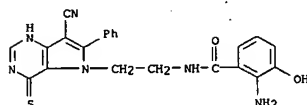


RN 587862-74-6 CAPLUS

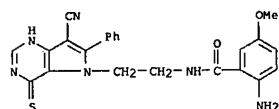
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Benzamide, 2-amino-3-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587862-75-7 CAPLUS
 CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-hydroxy- (9CI) (CA INDEX NAME)

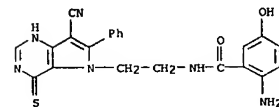


RN 587862-76-8 CAPLUS
 CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-methoxy- (9CI) (CA INDEX NAME)

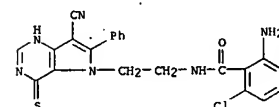


RN 587862-77-9 CAPLUS
 CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-fluoro- (9CI) (CA INDEX NAME)

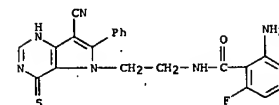
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 587862-81-5 CAPLUS
 CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-hydroxy- (9CI) (CA INDEX NAME)



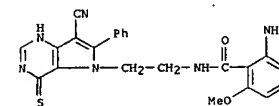
RN 587862-82-6 CAPLUS
 CN Benzamide, 2-amino-6-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587862-83-7 CAPLUS
 CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-6-fluoro- (9CI) (CA INDEX NAME)

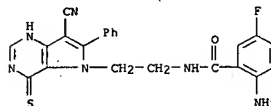


RN 587862-84-8 CAPLUS
 CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-6-methoxy- (9CI) (CA INDEX NAME)

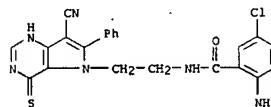


RN 587862-85-9 CAPLUS
 CN Benzamide, 4-benzoyl-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]- (9CI) (CA INDEX NAME)

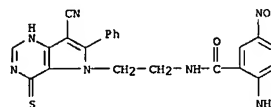
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



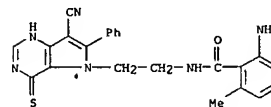
RN 587862-78-0 CAPLUS
 CN Benzamide, 2-amino-5-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



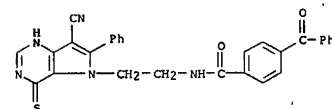
RN 587862-79-1 CAPLUS
 CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-nitro- (9CI) (CA INDEX NAME)



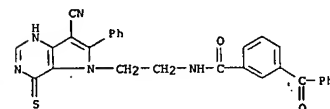
RN 587862-80-4 CAPLUS
 CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-6-methyl- (9CI) (CA INDEX NAME)



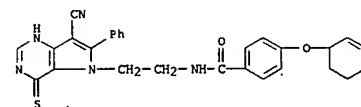
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



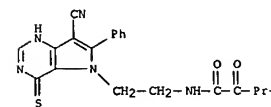
RN 587862-86-0 CAPLUS
 CN Benzamide, 3-benzoyl-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587862-87-1 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-(2-cyclohexen-1-yloxy)- (9CI) (CA INDEX NAME)

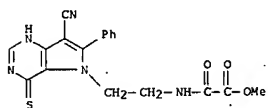


RN 587862-88-2 CAPLUS
 CN Pentanamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-oxo- (9CI) (CA INDEX NAME)

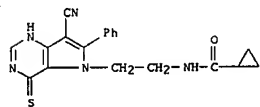


RN 587862-89-3 CAPLUS
 CN Acetic acid, [(2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl)amino]oxo-, methyl ester (9CI) (CA INDEX NAME)

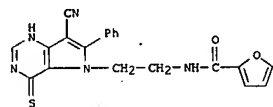
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



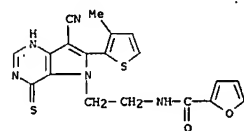
RN 587862-90-6 CAPLUS
CN Cyclopropanecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587862-91-7 CAPLUS
CN 2-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

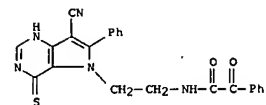


RN 587862-92-8 CAPLUS
CN 2-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

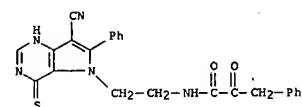


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

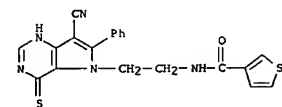
RN 587862-96-2 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-a-oxo- (9CI) (CA INDEX NAME)



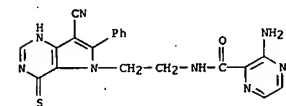
RN 587862-97-3 CAPLUS
CN Benzenepropanamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-a-oxo- (9CI) (CA INDEX NAME)



RN 587862-98-4 CAPLUS
CN 3-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



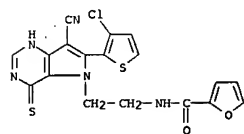
RN 587862-99-5 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



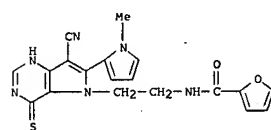
RN 587863-00-1 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

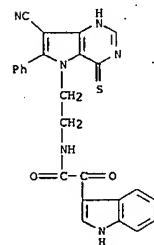
RN 587862-93-9 CAPLUS
CN 2-Furancarboxamide, N-[2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587862-94-0 CAPLUS
CN 2-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

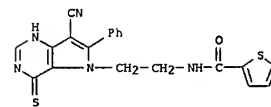


RN 587862-95-1 CAPLUS
CN 1H-Indole-3-acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-a-oxo- (9CI) (CA INDEX NAME)

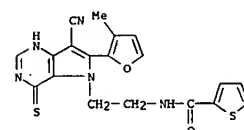


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

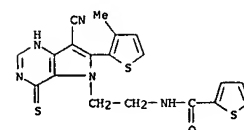
RN 587863-01-2 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



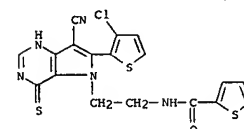
RN 587863-02-3 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587863-03-4 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

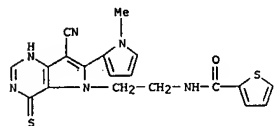


RN 587863-03-4 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

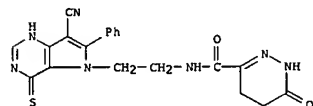


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

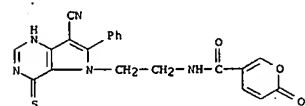
RN 587863-04-5 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587863-05-6 CAPLUS
CN 3-Pyridazincarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-1,4,5,6-tetrahydro-6-oxo- (9CI) (CA INDEX NAME)

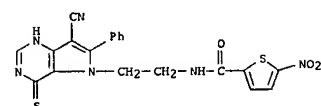


RN 587863-06-7 CAPLUS
CN 2H-Pyran-5-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-oxo- (9CI) (CA INDEX NAME)

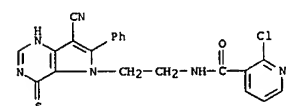


RN 587863-07-8 CAPLUS
CN 4H-Pyran-2-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-oxo- (9CI) (CA INDEX NAME)

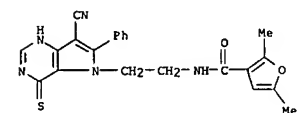
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



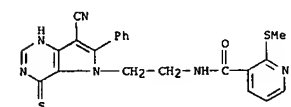
RN 587863-11-4 CAPLUS
CN 3-Pyridinecarboxamide, 2-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587863-12-5 CAPLUS
CN 3-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,5-dimethyl- (9CI) (CA INDEX NAME)

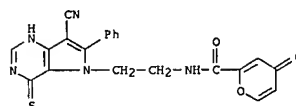


RN 587863-13-6 CAPLUS
CN 3-Pyridinecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-(methylthio)- (9CI) (CA INDEX NAME)

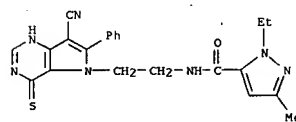


RN 587863-14-7 CAPLUS
CN 3-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-nitro- (9CI) (CA INDEX NAME)

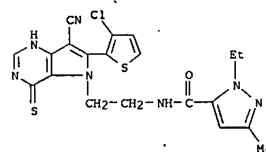
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587863-08-9 CAPLUS
CN 1H-Pyrazole-5-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-1-ethyl-3-methyl- (9CI) (CA INDEX NAME)

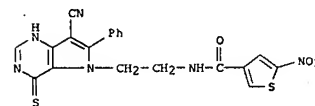


RN 587863-09-0 CAPLUS
CN 1H-Pyrazole-5-carboxamide, N-[2-[6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-1-ethyl-3-methyl- (9CI) (CA INDEX NAME)

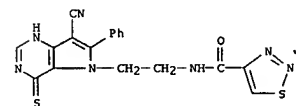


RN 587863-10-3 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-nitro- (9CI) (CA INDEX NAME)

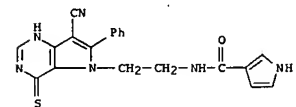
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



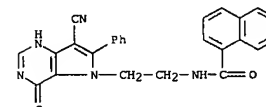
RN 587863-15-8 CAPLUS
CN 1,2,3-Thiadiazole-4-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587863-16-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

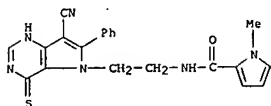


RN 587863-17-0 CAPLUS
CN 1-Naphthalenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

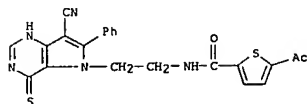


RN 587863-18-1 CAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-1-methyl- (9CI) (CA INDEX NAME)

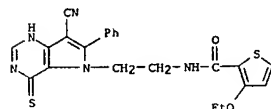
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



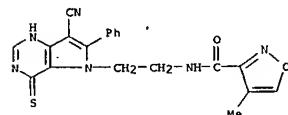
RN 587863-19-2 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587863-20-5 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-ethoxy- (9CI) (CA INDEX NAME)

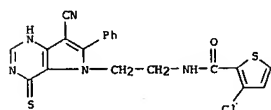


RN 587863-21-6 CAPLUS
CN 3-Isoxazolecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-methyl- (9CI) (CA INDEX NAME)

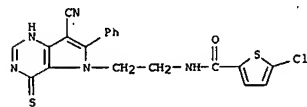


RN 587863-22-7 CAPLUS

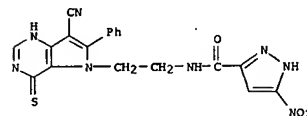
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



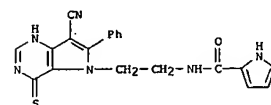
RN 587863-26-1 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-chloro- (9CI) (CA INDEX NAME)



RN 587863-27-2 CAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-nitro- (9CI) (CA INDEX NAME)

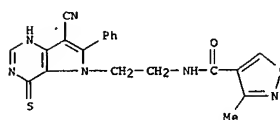


RN 587863-28-3 CAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

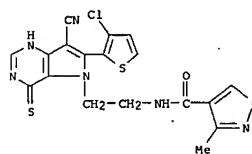


RN 587863-29-4 CAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

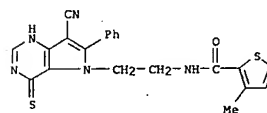
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 4-Isoxazolecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methyl- (9CI) (CA INDEX NAME)



RN 587863-23-8 CAPLUS
CN 4-Isoxazolecarboxamide, N-[2-(6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methyl- (9CI) (CA INDEX NAME)

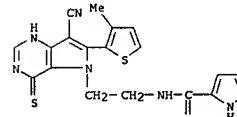


RN 587863-24-9 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methyl- (9CI) (CA INDEX NAME)

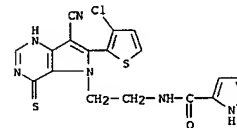


RN 587863-25-0 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methyl- (9CI) (CA INDEX NAME)

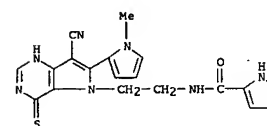
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587863-30-7 CAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[2-(6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

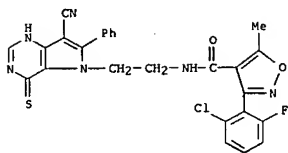


RN 587863-31-8 CAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-(1-methyl-1H-pyrrol-2-yl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

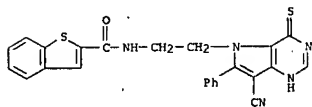


RN 587863-32-9 CAPLUS
CN 4-Isoxazolecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-methyl- (9CI) (CA INDEX NAME)

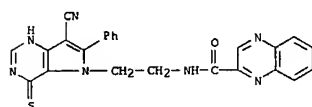
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587863-33-0 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

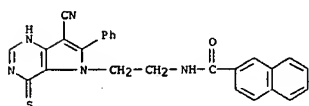


RN 587863-34-1 CAPLUS
CN 2-Quinoxalinecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

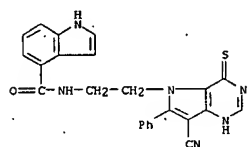


RN 587863-35-2 CAPLUS
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-[(1-methylethyl)sulfonyl]- (9CI) (CA INDEX NAME)

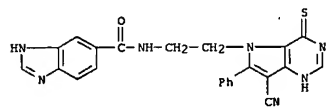
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



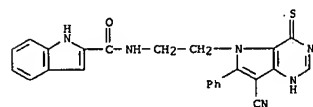
RN 587863-39-6 CAPLUS
CN 1H-Indole-4-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587863-40-9 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

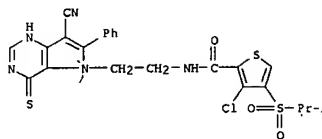


RN 587863-41-0 CAPLUS
CN 1H-Indole-2-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

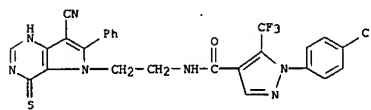


RN 587863-42-1 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

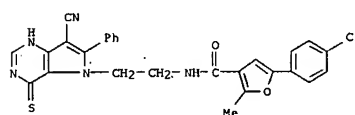
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587863-36-3 CAPLUS
CN 1H-Pyrazole-4-carboxamide, 1-(4-chlorophenyl)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)

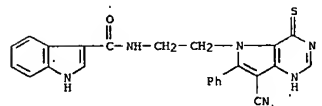


RN 587863-37-4 CAPLUS
CN 3-Furancarboxamide, 5-(4-chlorophenyl)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methyl- (9CI) (CA INDEX NAME)

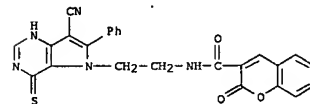


RN 587863-38-5 CAPLUS
CN 2-Naphthalenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

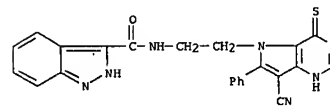
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



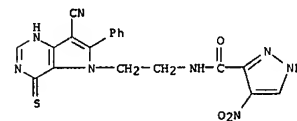
RN 587863-43-2 CAPLUS
CN 2H-1-Benzopyran-3-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-oxo- (9CI) (CA INDEX NAME)



RN 587863-44-3 CAPLUS
CN 2H-Indazole-3-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

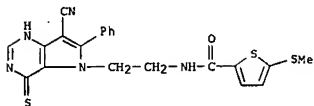


RN 587863-45-4 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-nitro- (9CI) (CA INDEX NAME)

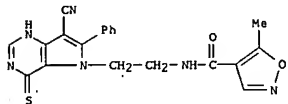


RN 587863-46-5 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-(methylthio)- (9CI) (CA INDEX NAME)

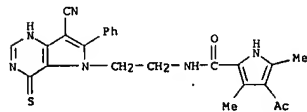
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



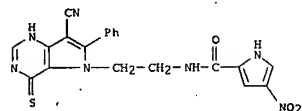
RN 587863-47-6 CAPLUS
CN 4-Isoxazolecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-methyl- (9CI) (CA INDEX NAME)



RN 587863-48-7 CAPLUS
CN 1H-Pyrrole-2-carboxamide, 4-acetyl-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

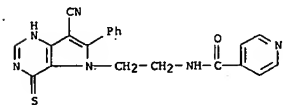


RN 587863-49-8 CAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-nitro- (9CI) (CA INDEX NAME)

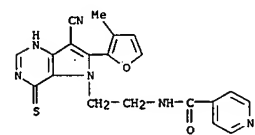


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

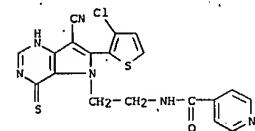
RN 587863-54-5 CAPLUS
CN 4-Pyridinecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587863-55-6 CAPLUS
CN 4-Pyridinecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



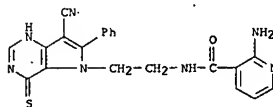
RN 587863-56-7 CAPLUS
CN 4-Pyridinecarboxamide, N-[2-(6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



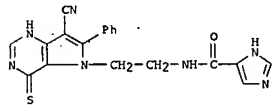
RN 587863-57-8 CAPLUS
CN Cyclohexanecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

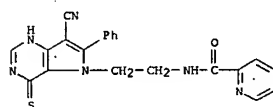
RN 587863-50-1 CAPLUS
CN 3-Pyridinecarboxamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



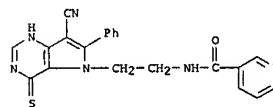
RN 587863-51-2 CAPLUS
CN 1H-Imidazole-4-carboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



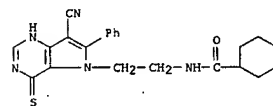
RN 587863-52-3 CAPLUS
CN 2-Pyridinecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



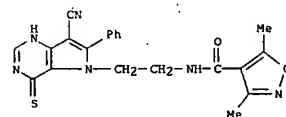
RN 587863-53-4 CAPLUS
CN 3-Pyridinecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587863-58-9 CAPLUS
CN 4-Isoxazolecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



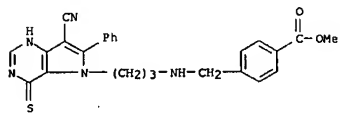
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L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

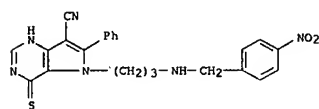
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 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (drug candidate; prepn. of pyrrolopyrimidine derivs. as GSK-3
 inhibitors)

RN 587863-59-0 CAPLUS
 CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

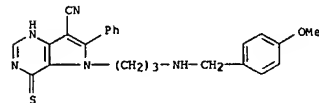
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Benzoic acid, 4-[[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]amino]methyl]-, methyl ester (9CI) (CA INDEX NAME)



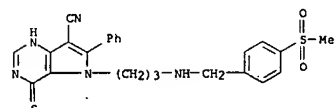
RN 587863-64-7 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-[[[4-(nitrophenyl)methyl]amino]propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



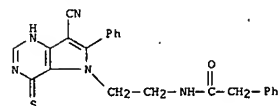
RN 587863-65-8 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-[[[4-(methoxyphenyl)methyl]amino]propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



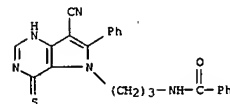
RN 587863-66-9 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-[[[4-(methylsulfonyl)phenyl]methyl]amino]propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



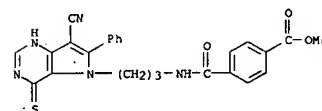
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



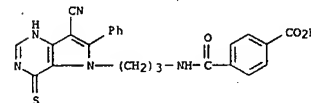
RN 587863-60-3 CAPLUS
 CN Benzamide, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)



RN 587863-61-4 CAPLUS
 CN Benzoic acid, 4-[[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



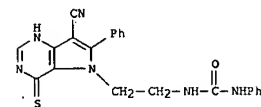
RN 587863-62-5 CAPLUS
 CN Benzoic acid, 4-[[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



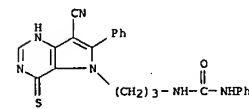
RN 587863-63-6 CAPLUS

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

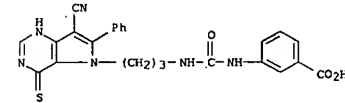
RN 587863-67-0 CAPLUS
 CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-phenyl- (9CI) (CA INDEX NAME)



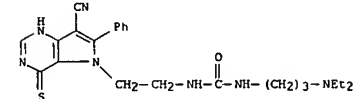
RN 587863-68-1 CAPLUS
 CN Urea, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-N'-phenyl- (9CI) (CA INDEX NAME)



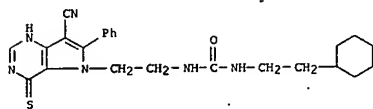
RN 587863-69-2 CAPLUS
 CN Benzoic acid, 3-[[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



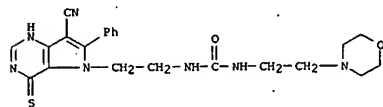
RN 587863-70-5 CAPLUS
 CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-[3-(diethylamino)propyl]- (9CI) (CA INDEX NAME)



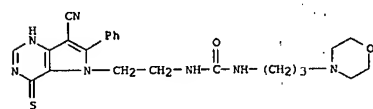
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 587863-71-6 CAPLUS
 CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(2-cyclohexylethyl)- (9CI) (CA INDEX NAME)



RN 587863-72-7 CAPLUS
 CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(2-(4-morpholinyl)ethyl)- (9CI) (CA INDEX NAME)



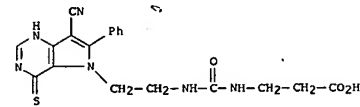
RN 587863-73-8 CAPLUS
 CN Urea, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-N'-(3-(4-morpholinyl)propyl)- (9CI) (CA INDEX NAME)



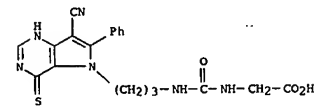
RN 587863-74-9 CAPLUS
 CN Urea, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-N'-(3-(diethylamino)propyl)- (9CI) (CA INDEX NAME)



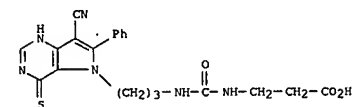
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN β-Alanine, N-[[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



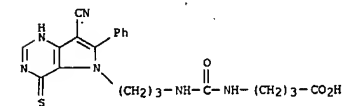
RN 587863-79-4 CAPLUS
 CN Glycine, N-[[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 587863-80-7 CAPLUS
 CN β-Alanine, N-[[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

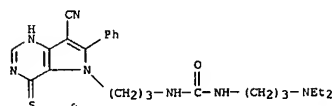


RN 587863-81-8 CAPLUS
 CN Butanoic acid, 4-[[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

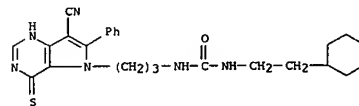


RN 587863-82-9 CAPLUS
 CN Benzoic acid, 4-[[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

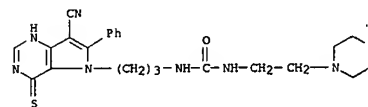
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



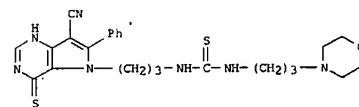
RN 587863-75-0 CAPLUS
 CN Urea, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-N'-(2-cyclohexylethyl)- (9CI) (CA INDEX NAME)



RN 587863-76-1 CAPLUS
 CN Urea, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-N'-(2-(4-morpholinyl)ethyl)- (9CI) (CA INDEX NAME)

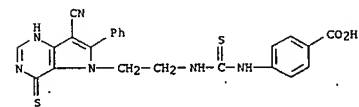


RN 587863-77-2 CAPLUS
 CN Thiourea, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-N'-(3-(4-morpholinyl)propyl)- (9CI) (CA INDEX NAME)

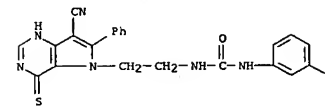


RN 587863-78-3 CAPLUS

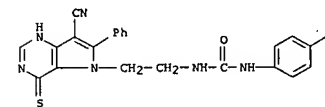
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]thiomethyl]amino]- (9CI) (CA INDEX NAME)



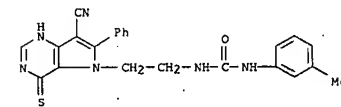
RN 587863-83-0 CAPLUS
 CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(3-fluorophenyl)- (9CI) (CA INDEX NAME)



RN 587863-84-1 CAPLUS
 CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



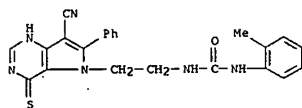
RN 587863-85-2 CAPLUS
 CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(3-methylphenyl)- (9CI) (CA INDEX NAME)



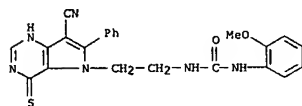
RN 587863-86-3 CAPLUS
 CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(2-methylphenyl)- (9CI) (CA INDEX NAME)



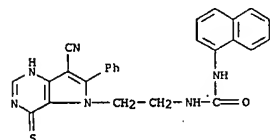
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



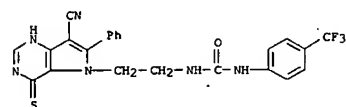
RN 587863-87-4 CAPLUS
CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(2-methoxyphenyl)- (9CI) (CA INDEX NAME)



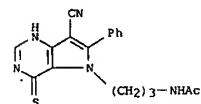
RN 587863-88-5 CAPLUS
CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(1-naphthalenyl)- (9CI) (CA INDEX NAME)



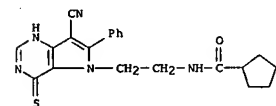
RN 587863-89-6 CAPLUS
CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



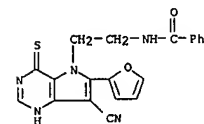
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



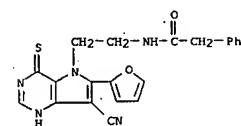
RN 587863-94-3 CAPLUS
CN Cyclopentanecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587863-95-4 CAPLUS
CN Benzamide, N-[2-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



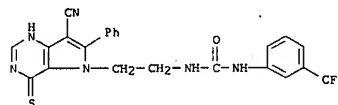
RN 587863-96-5 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



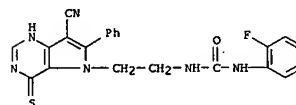
RN 587863-97-6 CAPLUS
CN Benzamide, N-[2-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-methoxy- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

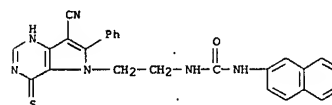
RN 587863-90-9 CAPLUS
CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(3-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



RN 587863-91-0 CAPLUS
CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(2-fluorophenyl)- (9CI) (CA INDEX NAME)

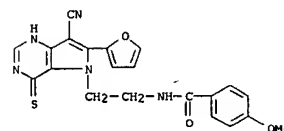


RN 587863-92-1 CAPLUS
CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-2-naphthalenyl- (9CI) (CA INDEX NAME)

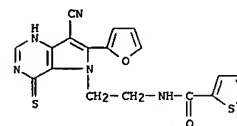


RN 587863-93-2 CAPLUS
CN Acetamide, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)

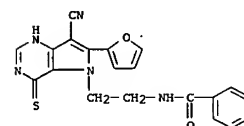
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587863-98-7 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

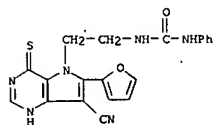


RN 587863-99-8 CAPLUS
CN 4-Pyridinecarboxamide, N-[2-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

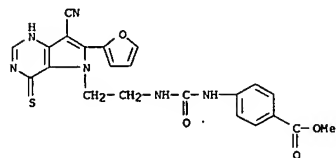


RN 587864-00-4 CAPLUS
CN Urea, N-[2-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-phenyl- (9CI) (CA INDEX NAME)

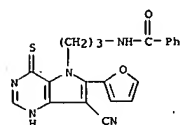
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587864-01-5 CAPLUS
CN Benzoic acid, 4-[[[2-[7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]amino]carbonyl]amino-, methyl ester (9CI) (CA INDEX NAME)

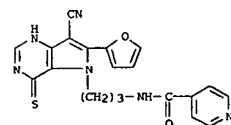


RN 587864-02-6 CAPLUS
CN Benzamide, N-[3-[7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]propyl]- (9CI) (CA INDEX NAME)

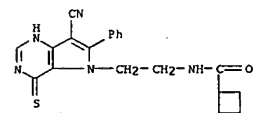


RN 587864-03-7 CAPLUS
CN Benzeneacetamide, N-[3-[7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]propyl]- (9CI) (CA INDEX NAME)

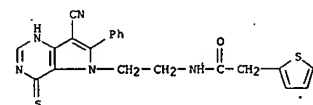
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



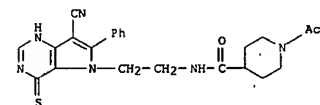
RN 587864-07-1 CAPLUS
CN Cyclobutanecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587864-08-2 CAPLUS
CN 2-Thiopheneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

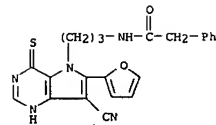


RN 587864-09-3 CAPLUS
CN 4-Piperidinecarboxamide, 1-acetyl-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

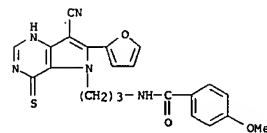


RN 587864-10-6 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

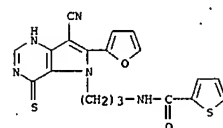
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587864-04-8 CAPLUS
CN Benzamide, N-[3-[7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]propyl]-4-methoxy- (9CI) (CA INDEX NAME)

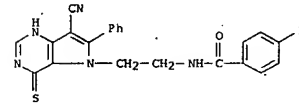


RN 587864-05-9 CAPLUS
CN 2-Thiophenecarboxamide, N-[3-[7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]propyl]- (9CI) (CA INDEX NAME)

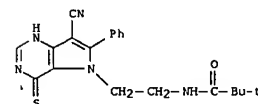


RN 587864-06-0 CAPLUS
CN 4-Pyridinecarboxamide, N-[3-[7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]propyl]- (9CI) (CA INDEX NAME)

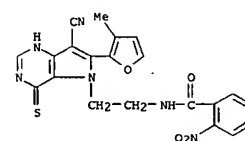
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



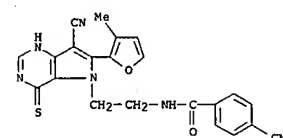
RN 587864-11-7 CAPLUS
CN Propanamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,2-dimethyl- (9CI) (CA INDEX NAME)



RN 587864-12-8 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-nitro- (9CI) (CA INDEX NAME)

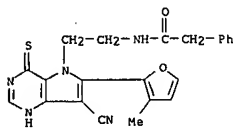


RN 587864-13-9 CAPLUS
CN Benzamide, 4-cyano-N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

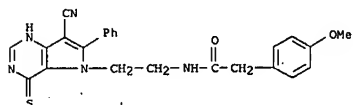


RN 587864-14-0 CAPLUS

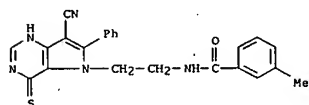
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587864-15-1 CAPLUS
 CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-methoxy- (9CI) (CA INDEX NAME)



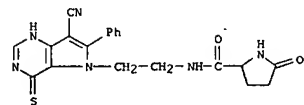
RN 587864-16-2 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methyl- (9CI) (CA INDEX NAME)



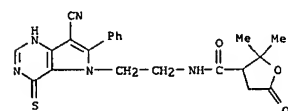
RN 587864-17-3 CAPLUS
 CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(3-hydroxyphenyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

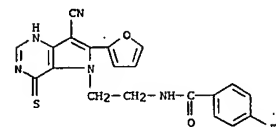
RN 587864-21-9 CAPLUS
 CN 2-Pyrrolidinecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-oxo- (9CI) (CA INDEX NAME)



RN 587864-22-0 CAPLUS
 CN 3-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]tetrahydro-2,2-dimethyl-5-oxo- (9CI) (CA INDEX NAME)



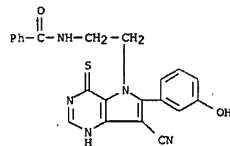
RN 587864-23-1 CAPLUS
 CN Benzamide, N-[2-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



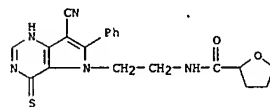
RN 587864-24-2 CAPLUS
 CN Benzenecarbothioamide, N-[2-(7-cyano-1,4-dihydro-6-(3-hydroxyphenyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



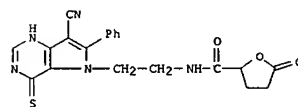
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



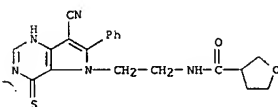
RN 587864-18-4 CAPLUS
 CN 2-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]tetrahydro- (9CI) (CA INDEX NAME)



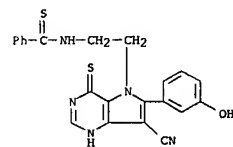
RN 587864-19-5 CAPLUS
 CN 2-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]tetrahydro-5-oxo- (9CI) (CA INDEX NAME)



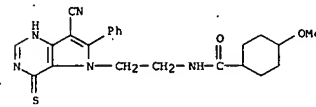
RN 587864-20-8 CAPLUS
 CN 3-Furancarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]tetrahydro- (9CI) (CA INDEX NAME)



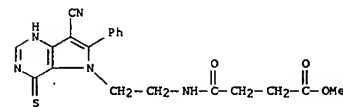
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



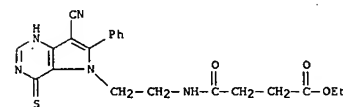
RN 587864-25-3 CAPLUS
 CN Cyclohexanecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-methoxy- (9CI) (CA INDEX NAME)



RN 587864-26-4 CAPLUS
 CN Butanoic acid, 4-[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-4-oxo-, methyl ester (9CI) (CA INDEX NAME)



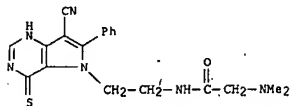
RN 587864-27-5 CAPLUS
 CN Butanoic acid, 4-[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-4-oxo-, ethyl ester (9CI) (CA INDEX NAME)



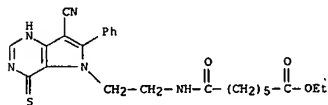
RN 587864-28-6 CAPLUS
 CN Acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-(dimethylamino)- (9CI) (CA INDEX NAME)



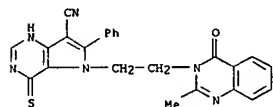
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



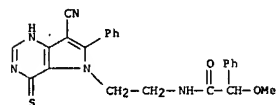
RN 587864-29-7 CAPLUS
CN Heptanoic acid, 7-[(2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl)amino]-7-oxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 587864-30-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-(2-methyl-4-oxo-3(4H)-quinazolinyl)ethyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

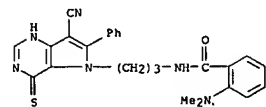


RN 587864-31-1 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-α-methoxy- (9CI) (CA INDEX NAME)

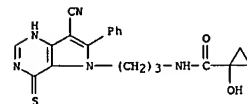


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

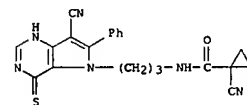
RN 587864-38-8 CAPLUS
CN Benzamide, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-2-(dimethylamino)- (9CI) (CA INDEX NAME)



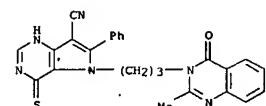
RN 587864-39-9 CAPLUS
CN Cyclopropanecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 587864-40-2 CAPLUS
CN Cyclopropanecarboxamide, 1-cyano-N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-N-methyl- (9CI) (CA INDEX NAME)



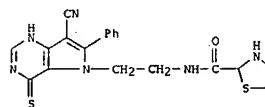
RN 587864-41-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(2-methyl-4-oxo-3(4H)-quinazolinyl)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



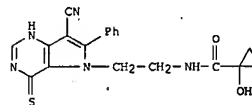
RN 587864-42-4 CAPLUS

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

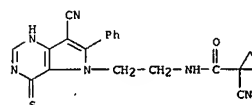
RN 587864-32-2 CAPLUS
CN 2-Thiazolidinecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



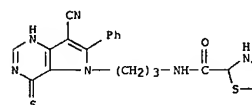
RN 587864-33-3 CAPLUS
CN Cyclopropanecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-1-hydroxy- (9CI) (CA INDEX NAME)



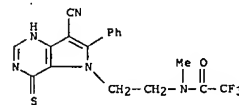
RN 587864-35-5 CAPLUS
CN Cyclopropanecarboxamide, 1-cyano-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



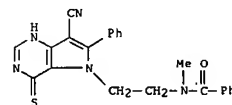
RN 587864-37-7 CAPLUS
CN 2-Thiazolidinecarboxamide, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)



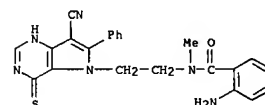
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)



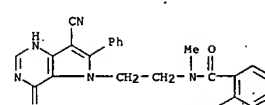
RN 587864-43-5 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 587864-44-6 CAPLUS
CN Benzamide, 2-amino-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N-methyl- (9CI) (CA INDEX NAME)

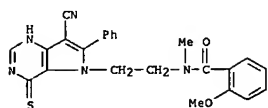


RN 587864-45-7 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N-methyl-2-(methylamino)- (9CI) (CA INDEX NAME)

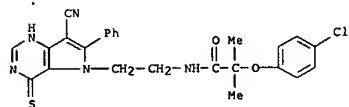


RN 587864-46-8 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methoxy-N-methyl- (9CI) (CA INDEX NAME)

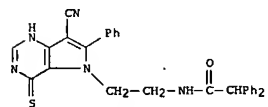
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



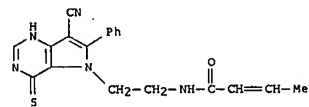
RN 587864-47-9 CAPLUS
CN Propanamide, 2-(4-chlorophenoxy)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 587864-48-0 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-α-phenyl- (9CI) (CA INDEX NAME)

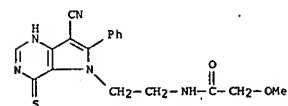


RN 587864-49-1 CAPLUS
CN 2-Butenamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

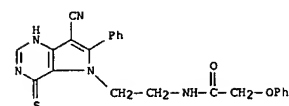


RN 587864-50-4 CAPLUS

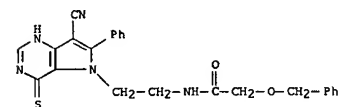
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



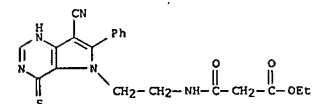
RN 587864-54-8 CAPLUS
CN Acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-phenoxy- (9CI) (CA INDEX NAME)



RN 587864-55-9 CAPLUS
CN Acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-(phenylmethoxy)- (9CI) (CA INDEX NAME)

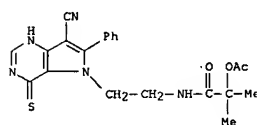


RN 587864-56-0 CAPLUS
CN Propanoic acid, 3-[(2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl)amino]-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)

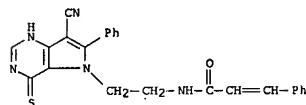


RN 587864-57-1 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

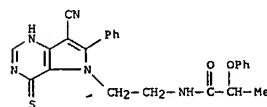
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Propanamide, 2-(acetyloxy)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 587864-51-5 CAPLUS
CN 2-Propanamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-phenyl- (9CI) (CA INDEX NAME)

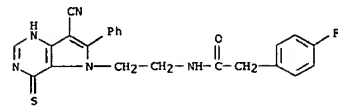


RN 587864-52-6 CAPLUS
CN Propanamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-phenoxy- (9CI) (CA INDEX NAME)

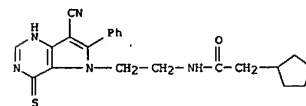


RN 587864-53-7 CAPLUS
CN Acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methoxy- (9CI) (CA INDEX NAME)

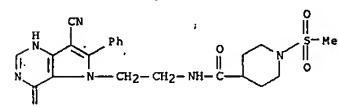
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



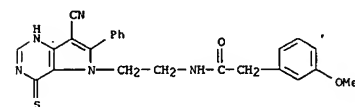
RN 587864-58-2 CAPLUS
CN Cyclopentaneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587864-59-3 CAPLUS
CN 4-Piperidinecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

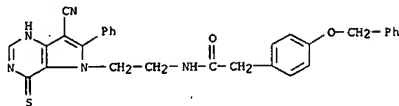


RN 587864-60-6 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methoxy- (9CI) (CA INDEX NAME)

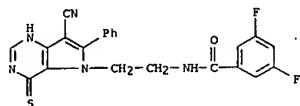


RN 587864-61-7 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-(phenylmethoxy)- (9CI) (CA INDEX NAME)

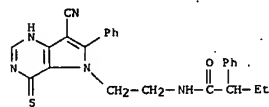
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



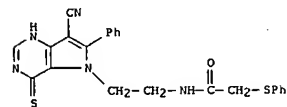
RN 587864-62-8 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3,5-difluoro- (9CI) (CA INDEX NAME)



RN 587864-63-9 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-a-ethyl- (9CI) (CA INDEX NAME)



RN 587864-64-0 CAPLUS
CN Acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-(phenylthio)- (9CI) (CA INDEX NAME)

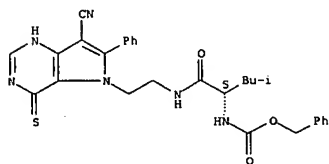


RN 587864-65-1 CAPLUS
CN Acetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-(2-methoxyethoxy)- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

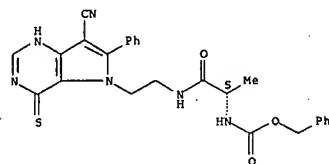
RN 587864-69-5 CAPLUS
CN Carbamic acid, [(1S)-1-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]-3-methylbutyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

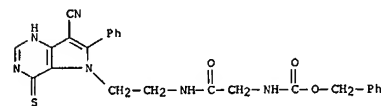


RN 587864-70-8 CAPLUS
CN Carbamic acid, [(1S)-2-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-1-methyl-2-oxoethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

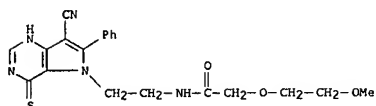


RN 587864-71-9 CAPLUS
CN Carbamic acid, [2-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-2-oxoethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

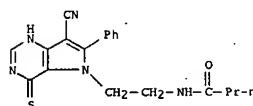


RN 587864-72-0 CAPLUS
CN Propanamide, 2-(acetylamin)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

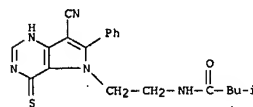
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



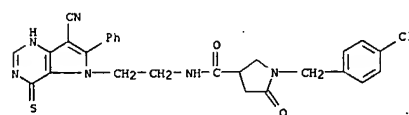
RN 587864-66-2 CAPLUS
CN Butanamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 587864-67-3 CAPLUS
CN 3-Pyrrolidinacarbonyl, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-3-methyl- (9CI) (CA INDEX NAME)

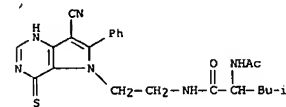


RN 587864-68-4 CAPLUS
CN 3-Pyrrolidinacarbonyl, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-5-oxo- (9CI) (CA INDEX NAME)

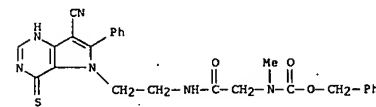


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

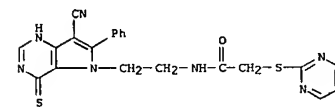
RN 587864-73-1 CAPLUS
CN Acetamide, 2-(acetylamin)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-methyl- (9CI) (CA INDEX NAME)



RN 587864-74-2 CAPLUS
CN Carbamic acid, [2-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-2-oxoethyl]methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

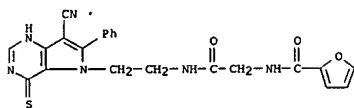


RN 587864-75-3 CAPLUS
CN 2-Furancarboxamide, N-[2-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)

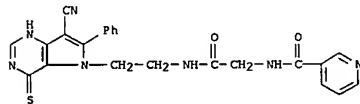


RN 587864-76-4 CAPLUS
CN 2-Furancarboxamide, N-[2-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)

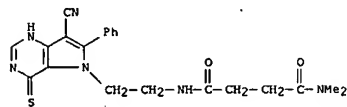
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



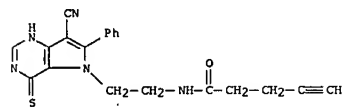
RN 587864-77-5 CAPLUS
CN 3-Pyridinecarboxamide, N-[2-[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 587864-78-6 CAPLUS
CN Butanediamide, N'-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

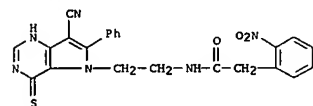


RN 587864-79-7 CAPLUS
CN 4-Pentynamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

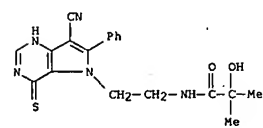


RN 587864-80-0 CAPLUS

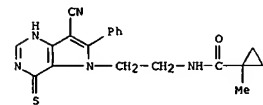
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



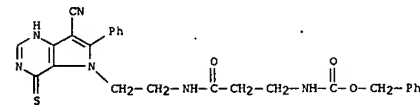
RN 587864-85-5 CAPLUS
CN Propanamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-hydroxy-2-methyl- (9CI) (CA INDEX NAME)



RN 587864-86-6 CAPLUS
CN Cyclopropanecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-1-methyl- (9CI) (CA INDEX NAME)

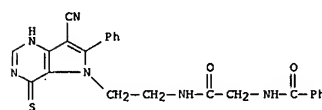


RN 587864-87-7 CAPLUS
CN Carbamic acid, [3-[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-3-oxopropyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

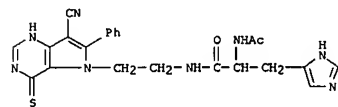


RN 587864-88-8 CAPLUS
CN Cyclopropanecarboxamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-methyl- (9CI) (CA INDEX NAME)

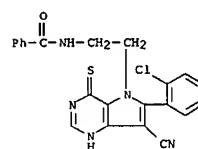
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Benzamide, N-[2-[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 587864-81-1 CAPLUS
CN 1H-Imidazole-4-propanamide, α-(acetylamino)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

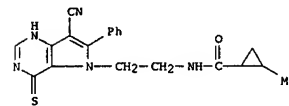


RN 587864-83-3 CAPLUS
CN Benzamide, N-[2-[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)

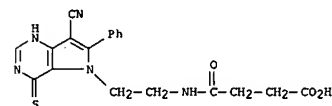


RN 587864-84-4 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-nitro- (9CI) (CA INDEX NAME)

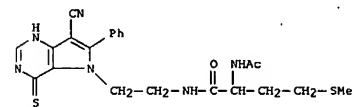
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



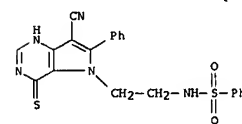
RN 587864-89-9 CAPLUS
CN Butanoic acid, 4-[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]-4-oxo- (9CI) (CA INDEX NAME)



RN 587864-90-2 CAPLUS
CN Butanamide, 2-(acetylamino)-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-(methylthio)- (9CI) (CA INDEX NAME)

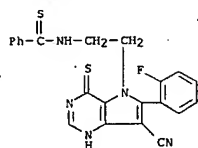


RN 587864-91-3 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-nitro- (9CI) (CA INDEX NAME)

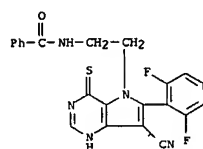


RN 587864-92-4 CAPLUS
CN Benzeneacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-2-nitro- (9CI) (CA INDEX NAME)

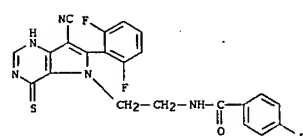
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587864-93-5 CAPLUS
 CN Benzamide, N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]- (9CI) (CA INDEX NAME)

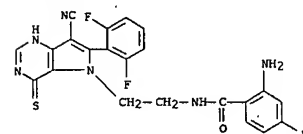


RN 587864-94-6 CAPLUS
 CN Benzamide, N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

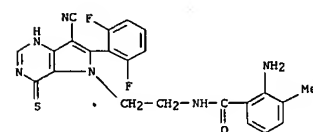


RN 587864-95-7 CAPLUS
 CN Benzoic acid, 4-[[[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

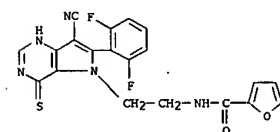
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587864-99-1 CAPLUS
 CN Benzamide, 2-amino-N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-3-methyl- (9CI) (CA INDEX NAME)

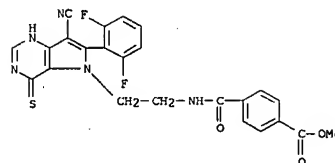


RN 587865-00-7 CAPLUS
 CN 2-Furancarboxamide, N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]- (9CI) (CA INDEX NAME)

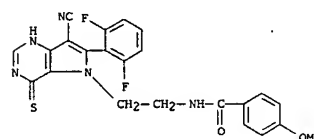


RN 587865-01-8 CAPLUS
 CN 2-Thiophenecarboxamide, N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]- (9CI) (CA INDEX NAME)

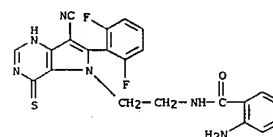
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587864-96-8 CAPLUS
 CN Benzamide, N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-methoxy- (9CI) (CA INDEX NAME)

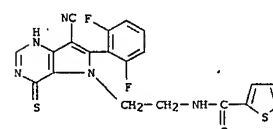


RN 587864-97-9 CAPLUS
 CN Benzamide, 2-amino-N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

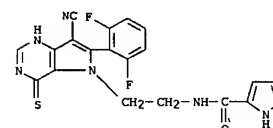


RN 587864-98-0 CAPLUS
 CN Benzamide, 2-amino-N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

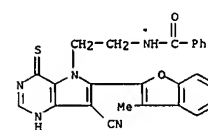
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587865-02-9 CAPLUS
 CN 1H-Pyrrole-2-carboxamide, N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]- (9CI) (CA INDEX NAME)

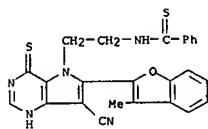


RN 587865-03-0 CAPLUS
 CN Benzamide, N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]- (9CI) (CA INDEX NAME)

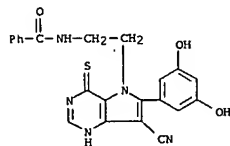


RN 587865-04-1 CAPLUS
 CN Benzene-carbothioamide, N-[2-[7-cyano-6-(2,6-difluorophenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]- (9CI) (CA INDEX NAME)

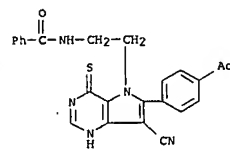
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587865-05-2 CAPLUS
CN Benzamide, N-[2-{7-cyano-6-(3,5-dihydroxyphenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]- (9CI) (CA INDEX NAME)

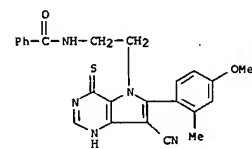


RN 587865-06-3 CAPLUS
CN Benzamide, N-[2-{6-(4-acetylphenyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]- (9CI) (CA INDEX NAME)

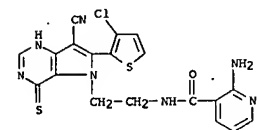


RN 587865-07-4 CAPLUS
CN Benzamide, N-[2-{7-cyano-6-[3-(dimethylamino)phenyl]-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]- (9CI) (CA INDEX NAME)

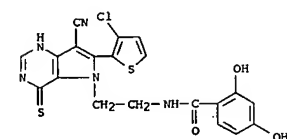
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587865-11-0 CAPLUS
CN 3-Pyridinecarboxamide, 2-amino-N-[2-{6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]- (9CI) (CA INDEX NAME)

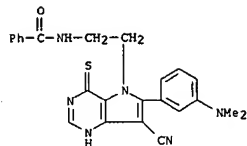


RN 587865-12-1 CAPLUS
CN Benzamide, N-[2-{6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-2,4-dihydroxy- (9CI) (CA INDEX NAME)

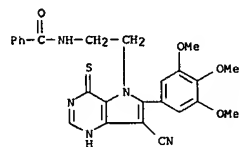


RN 587865-13-2 CAPLUS
CN 2-Thiophenecarboxamide, 5-acetyl-N-[2-{6-(3-chloro-2-thienyl)-7-cyano-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]- (9CI) (CA INDEX NAME)

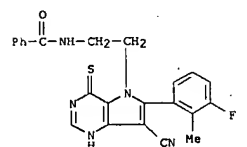
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587865-08-5 CAPLUS
CN Benzamide, N-[2-{7-cyano-1,4-dihydro-4-thioxo-6-(3,4,5-trimethoxyphenyl)-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]- (9CI) (CA INDEX NAME)

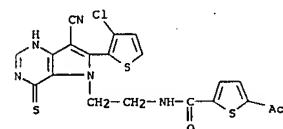


RN 587865-09-6 CAPLUS
CN Benzamide, N-[2-{7-cyano-6-(3-fluoro-2-methylphenyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]- (9CI) (CA INDEX NAME)

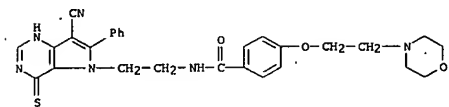


RN 587865-10-9 CAPLUS
CN Benzamide, N-[2-{7-cyano-1,4-dihydro-6-(4-methoxy-2-methylphenyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]- (9CI) (CA INDEX NAME)

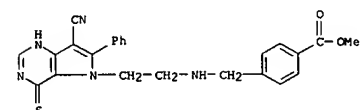
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



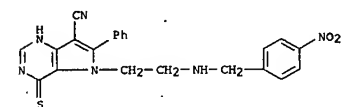
RN 587865-14-3 CAPLUS
CN Benzamide, N-[2-{7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]-4-{2-(4-morpholinyl)ethoxy}- (9CI) (CA INDEX NAME)



RN 587865-15-4 CAPLUS
CN Benzoic acid, 4-[[[2-{7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl}ethyl]amino]methyl]-, methyl ester (9CI) (CA INDEX NAME)

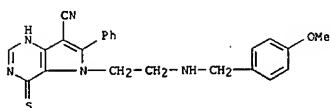


RN 587865-16-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-[[[4-nitrophenyl]methyl]amino]ethyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

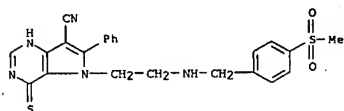


RN 587865-17-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-[[[4-methoxyphenyl]methyl]amino]ethyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

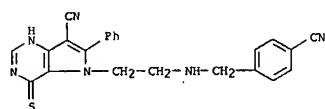
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
NAME)



RN 587865-18-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-[[[4-(methylsulfonyl)phenyl]methyl]amino]ethyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

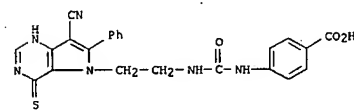


RN 587865-19-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-[2-[[[4-cyanophenyl]methyl]amino]ethyl]-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

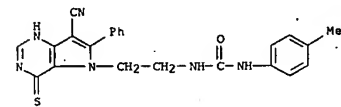


RN 587865-20-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-[[[2-nitrophenyl]methyl]amino]ethyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

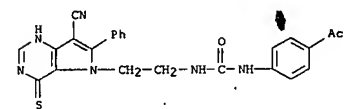
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Benzoic acid, 4-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



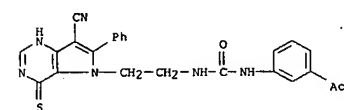
RN 587865-25-6 CAPLUS
CN Urea, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-N'-(4-methylphenyl)- (9CI) (CA INDEX NAME)



RN 587865-26-7 CAPLUS
CN Urea, N-(4-acetylphenyl)-N'-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

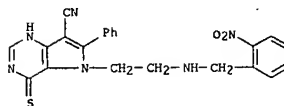


RN 587865-27-8 CAPLUS
CN Urea, N-(3-acetylphenyl)-N'-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)

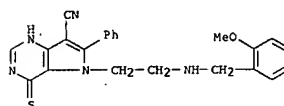


RN 587865-28-9 CAPLUS
CN Benamide, 2-amino-N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]- (9CI) (CA INDEX NAME)

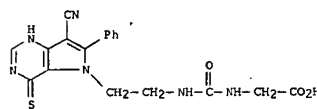
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



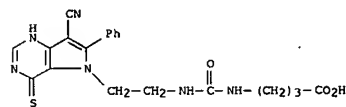
RN 587865-21-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-[[[2-methoxyphenyl]methyl]amino]ethyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587865-22-3 CAPLUS
CN Glycine, N-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

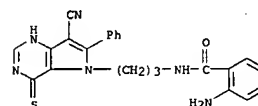


RN 587865-23-4 CAPLUS
CN Butanoic acid, 4-[[[2-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

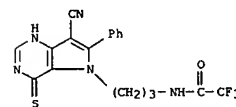


RN 587865-24-5 CAPLUS

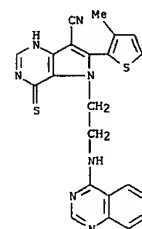
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587865-29-0 CAPLUS
CN Acetamide, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

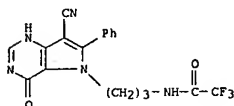


RN 587865-30-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-methyl-2-thienyl)-5-[2-(4-quinazolinylamino)ethyl]-4-thioxo- (9CI) (CA INDEX NAME)

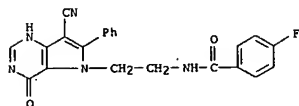


RN 587865-31-4 CAPLUS
CN Acetamide, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)propyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

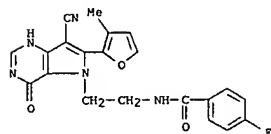
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587865-32-5 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-oxo-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



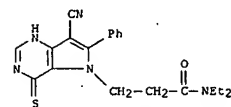
RN 587865-33-6 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



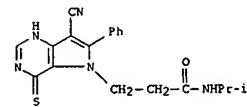
RN 587865-34-7 CAPLUS
CN Benzamide, N-[2-(7-cyano-1,4-dihydro-6-(3-methyl-2-thienyl)-4-oxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

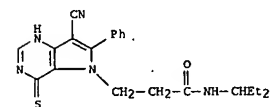
RN 587865-38-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N,N-diethyl-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



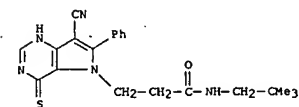
RN 587865-39-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(1-methylethyl)-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



RN 587865-40-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(1-ethylpropyl)-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

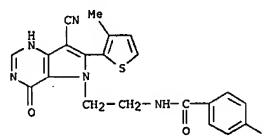


RN 587865-41-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(2,2-dimethylpropyl)-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

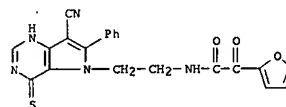


RN 587865-42-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-4-thio-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)

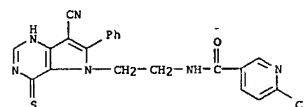
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



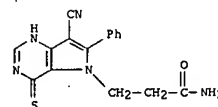
RN 587865-35-8 CAPLUS
CN 2-Furanacetamide, N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thio-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]-α-oxo- (9CI) (CA INDEX NAME)



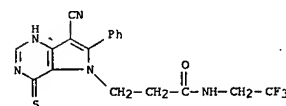
RN 587865-36-9 CAPLUS
CN 3-Pyridinecarboxamide, 6-chloro-N-[2-(7-cyano-1,4-dihydro-6-phenyl-4-thio-5H-pyrrolo[3,2-d]pyrimidin-5-yl)ethyl]- (9CI) (CA INDEX NAME)



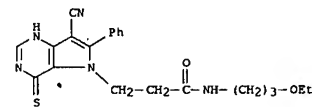
RN 587865-37-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



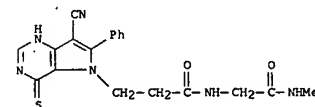
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



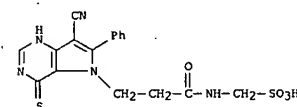
RN 587865-43-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(3-ethoxypropyl)-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



RN 587865-44-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(2-methylamino)-2-oxoethyl-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

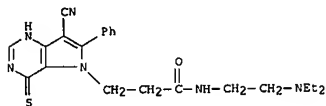


RN 587865-45-0 CAPLUS
CN Methanesulfonic acid, {[3-(7-cyano-1,4-dihydro-6-phenyl-4-thio-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]amino}- (9CI) (CA INDEX NAME)

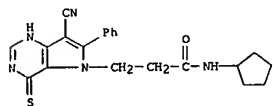


RN 587865-46-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(2-(diethylamino)ethyl)-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

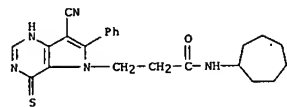
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



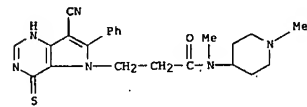
RN 587865-47-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-cyclopentyl-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



RN 587865-48-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-cycloheptyl-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



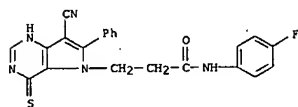
RN 587865-49-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-methyl-N-(1-methyl-4-piperidinyl)-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



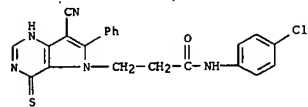
RN 587865-50-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(cyclopropylmethyl)-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

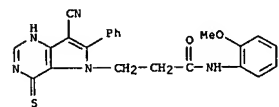
RN 587865-54-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(4-fluorophenyl)-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



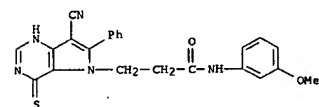
RN 587865-55-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-(4-chlorophenyl)-7-cyano-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



RN 587865-56-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(2-methoxyphenyl)-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

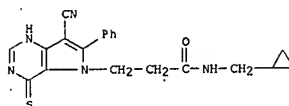


RN 587865-57-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(3-methoxyphenyl)-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

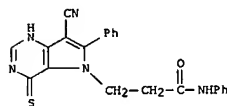


RN 587865-58-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(3-methylthio)phenyl-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

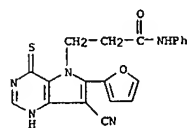
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



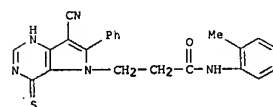
RN 587865-51-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N,6-diphenyl-4-thio- (9CI) (CA INDEX NAME)



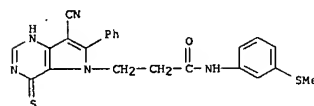
RN 587865-52-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-6-(2-furanyl)-1,4-dihydro-N-phenyl-4-thio- (9CI) (CA INDEX NAME)



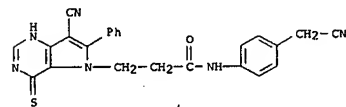
RN 587865-53-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(2-methylphenyl)-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



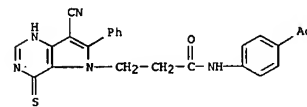
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



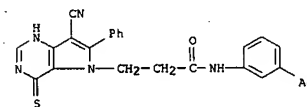
RN 587865-59-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-[4-(cyanomethyl)phenyl]-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)



RN 587865-60-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-(4-acetylphenyl)-7-cyano-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

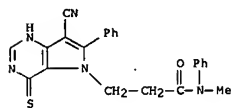


RN 587865-61-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-(3-acetylphenyl)-7-cyano-1,4-dihydro-6-phenyl-4-thio- (9CI) (CA INDEX NAME)

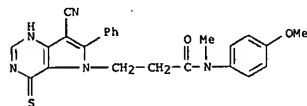


RN 587865-62-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-methyl-N,6-diphenyl-4-thio- (9CI) (CA INDEX NAME)

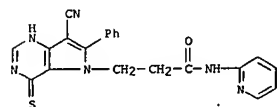
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



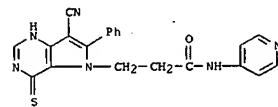
RN 587865-63-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(4-methoxyphenyl)-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587865-64-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N-2-pyridinyl-4-thioxo- (9CI) (CA INDEX NAME)



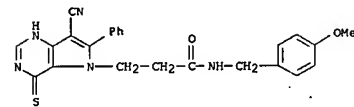
RN 587865-65-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N-4-pyridinyl-4-thioxo- (9CI) (CA INDEX NAME)



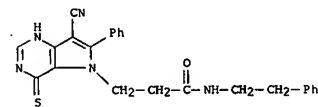
RN 587865-66-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N-2-thiazolyl-4-thioxo- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

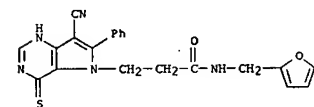
RN 587865-70-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-[(4-methoxyphenyl)methyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



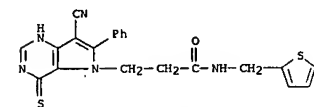
RN 587865-71-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N-(2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587865-72-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(2-furanylmethyl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

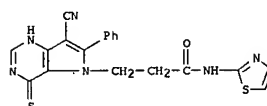


RN 587865-73-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N-(2-thienylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

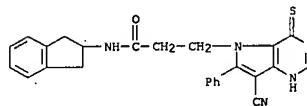


RN 587865-74-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N-(2-pyridinylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

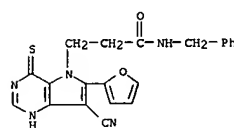
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



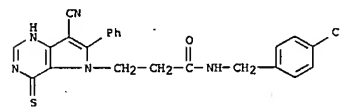
RN 587865-67-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(2,3-dihydro-1H-inden-2-yl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



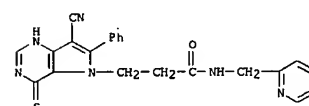
RN 587865-68-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-6-(2-furanyl)-1,4-dihydro-N-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



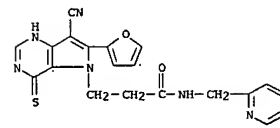
RN 587865-69-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-[(4-chlorophenyl)methyl]-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



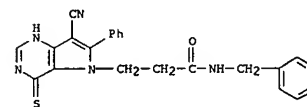
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



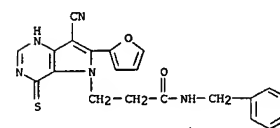
RN 587865-75-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-6-(2-furanyl)-1,4-dihydro-N-(2-pyridinylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587865-76-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N-(3-pyridinylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

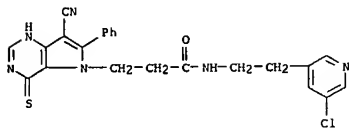


RN 587865-77-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-6-(2-furanyl)-1,4-dihydro-N-(3-pyridinylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

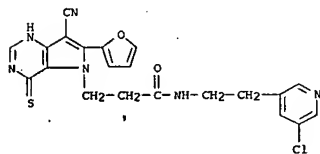


RN 587865-78-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-[2-(5-chloro-3-

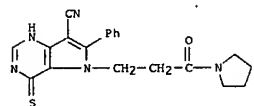
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 pyridinyl)ethyl]-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



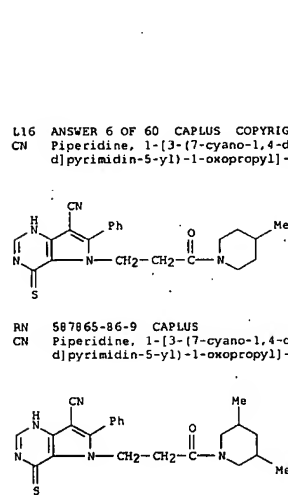
RN 587865-79-0 CAPLUS
 CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-[2-(5-chloro-3-pyridinyl)ethyl]-7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



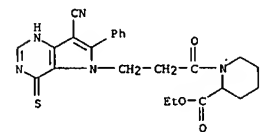
RN 587865-80-3 CAPLUS
 CN Piperidine, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-methyl- (9CI) (CA INDEX NAME)



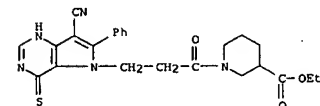
RN 587865-81-4 CAPLUS
 CN Piperidine, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



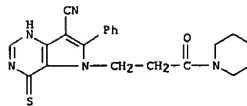
RN 587865-86-9 CAPLUS
 CN Piperidine, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



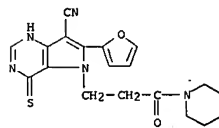
RN 587865-88-1 CAPLUS
 CN 3-Piperidinecarboxylic acid, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, ethyl ester (9CI) (CA INDEX NAME)



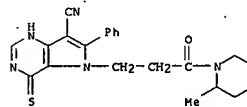
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



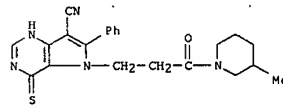
RN 587865-82-5 CAPLUS
 CN Piperidine, 1-[3-[(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 587865-83-6 CAPLUS
 CN Piperidine, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-2-methyl- (9CI) (CA INDEX NAME)



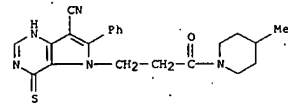
RN 587865-84-7 CAPLUS
 CN Piperidine, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-3-methyl- (9CI) (CA INDEX NAME)



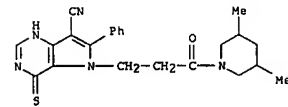
RN 587865-85-8 CAPLUS

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

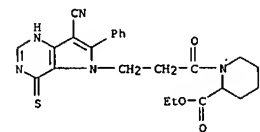
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Piperidine, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-methyl- (9CI) (CA INDEX NAME)



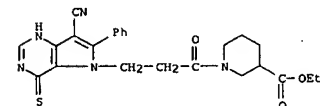
RN 587865-86-9 CAPLUS
 CN Piperidine, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



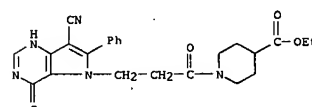
RN 587865-87-0 CAPLUS
 CN 2-Piperidinecarboxylic acid, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, ethyl ester (9CI) (CA INDEX NAME)



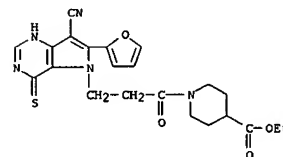
RN 587865-88-1 CAPLUS
 CN 3-Piperidinecarboxylic acid, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, ethyl ester (9CI) (CA INDEX NAME)



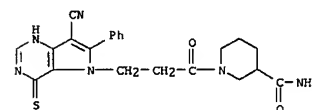
RN 587865-89-2 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 587865-90-5 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[3-[(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, ethyl ester (9CI) (CA INDEX NAME)



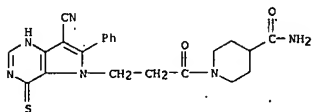
RN 587865-91-6 CAPLUS
 CN 3-Piperidinecarboxamide, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



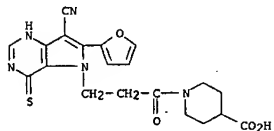
RN 587865-92-7 CAPLUS
 CN 4-Piperidinecarboxamide, 1-[3-[(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



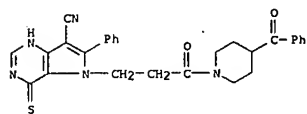
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587865-93-8 CAPLUS
CN 4-piperidinecarboxylic acid, 1-[3-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



RN 587865-94-9 CAPLUS
CN Piperidine, 4-benzoyl-1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



RN 587865-95-0 CAPLUS
CN Piperidine, 4-benzoyl-1-[3-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)

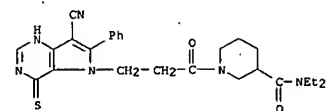
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

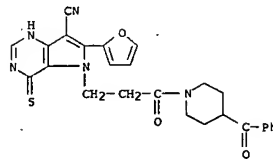
(drug candidate; prepn. of pyrrolopyrimidine derivs. as GSK-3 inhibitors)

RN 587865-96-1 CAPLUS
CN 3-piperidinecarboxamide, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-N,N-diethyl- (9CI) (CA INDEX NAME)



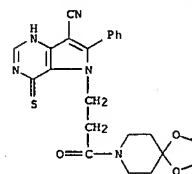
RN 587865-97-2 CAPLUS
CN 1,4-Dioxo-8-azaspiro[4.5]decane, 8-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

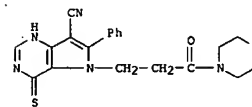


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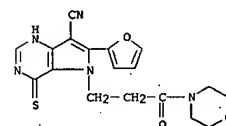
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



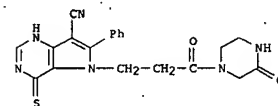
RN 587865-98-3 CAPLUS
CN Morpholine, 4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



RN 587865-99-4 CAPLUS
CN Morpholine, 4-[3-(7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)

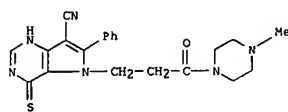


RN 587866-00-0 CAPLUS
CN Piperazinone, 4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)

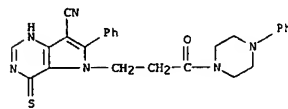


RN 587866-01-1 CAPLUS

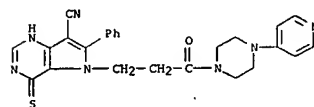
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-methyl- (9CI) (CA INDEX NAME)



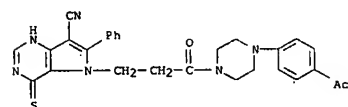
RN 587866-02-2 CAPLUS
 CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-phenyl- (9CI) (CA INDEX NAME)



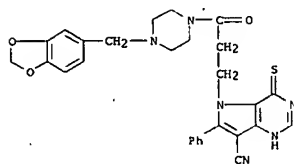
RN 587866-03-3 CAPLUS
 CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(4-pyridinyl)- (9CI) (CA INDEX NAME)



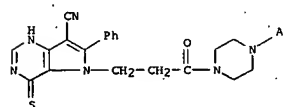
RN 587866-04-4 CAPLUS
 CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(4-acetylphenyl)- (9CI) (CA INDEX NAME)



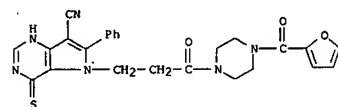
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587866-09-9 CAPLUS
 CN Piperazine, 1-acetyl-4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)

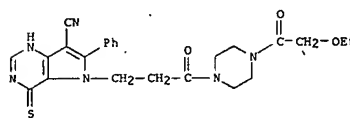


RN 587866-10-2 CAPLUS
 CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(2-furanylcarbonyl)- (9CI) (CA INDEX NAME)

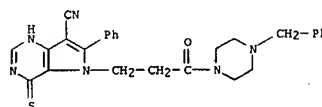


RN 587866-11-3 CAPLUS
 CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(2-furanylcarbonyl)- (9CI) (CA INDEX NAME)

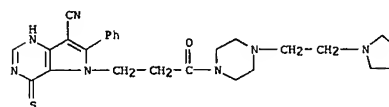
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 587866-05-5 CAPLUS
 CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(ethoxyacetyl)- (9CI) (CA INDEX NAME)



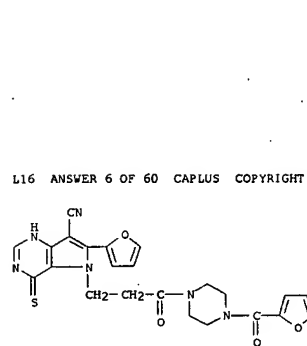
RN 587866-06-6 CAPLUS
 CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(phenylmethyl)- (9CI) (CA INDEX NAME)



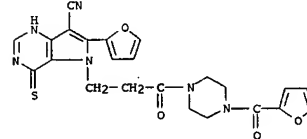
RN 587866-07-7 CAPLUS
 CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-[2-(1-pyrrolidinylethyl)- (9CI) (CA INDEX NAME)



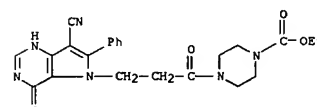
RN 587866-08-8 CAPLUS
 CN Piperazine, 1-(1,3-benzodioxol-5-ylmethyl)-4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



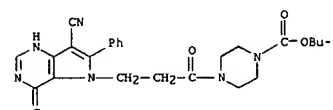
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587866-12-4 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, ethyl ester (9CI) (CA INDEX NAME)



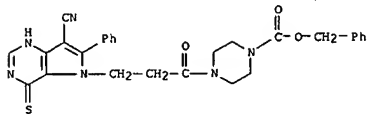
RN 587866-13-5 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



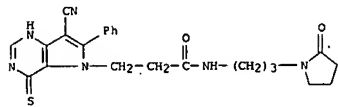
RN 587866-14-6 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



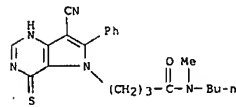
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



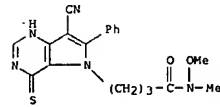
RN 587866-15-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(3-(2-oxo-1-pyrrolidinyl)propyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587866-16-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, N-butyl-7-cyano-1,4-dihydro-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

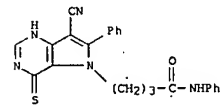


RN 587866-17-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-methoxy-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

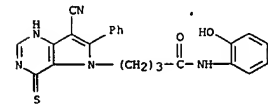


RN 587866-18-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-cyclopentyl-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

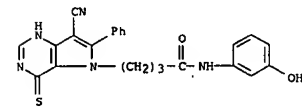
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N,6-diphenyl-4-thioxo- (9CI) (CA INDEX NAME)



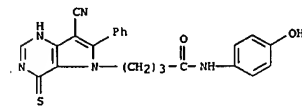
RN 587866-23-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-(2-hydroxyphenyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587866-24-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-(3-hydroxyphenyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

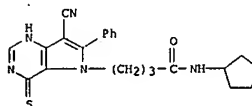


RN 587866-25-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-(4-hydroxyphenyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

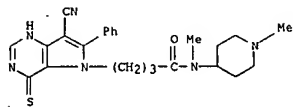


RN 587866-26-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-(3-fluorophenyl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

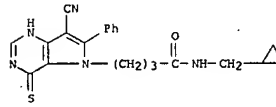
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



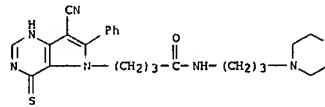
RN 587866-19-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-methyl-(1-methyl-4-piperidinyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587866-20-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-(cyclopropylmethyl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

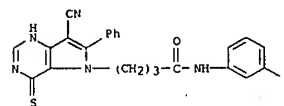


RN 587866-21-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-(3-(4-morpholinyl)propyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

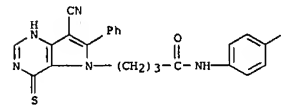


RN 587866-22-6 CAPLUS

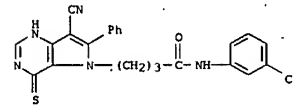
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



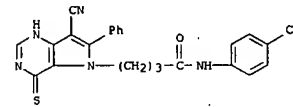
RN 587866-27-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-(4-fluorophenyl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587866-28-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, N-(3-chlorophenyl)-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

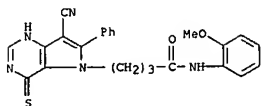


RN 587866-29-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, N-(4-chlorophenyl)-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

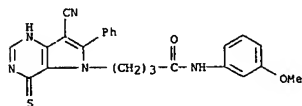


RN 587866-30-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-(2-methoxyphenyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

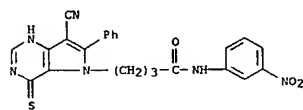
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



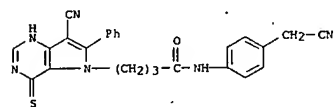
RN 587866-31-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-[(3-methoxyphenyl)-6-phenyl-4-thioxo- (9CI)] (CA INDEX NAME)



RN 587866-32-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-[(3-nitrophenyl)-6-phenyl-4-thioxo- (9CI)] (CA INDEX NAME)

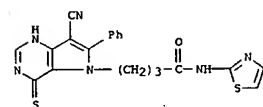


RN 587866-33-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-[(4-cyanomethyl)phenyl]-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

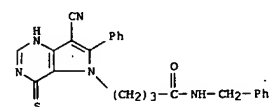


RN 587866-34-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, N-(4-acetylphenyl)-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

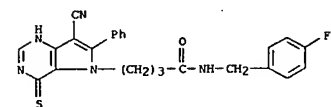
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
thiazolyl-4-thioxo- (9CI) (CA INDEX NAME)



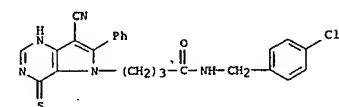
RN 587866-39-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-6-phenyl-N-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587866-40-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-[(4-fluorophenyl)methyl]-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

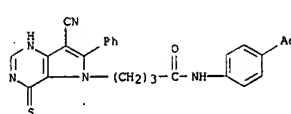


RN 587866-41-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, N-[(4-chlorophenyl)methyl]-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

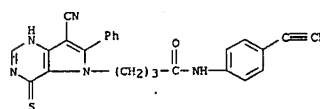


RN 587866-42-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-[(4-methoxyphenyl)methyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

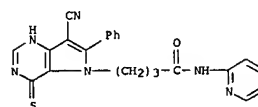
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



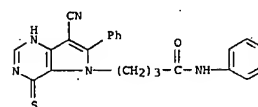
RN 587866-35-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-(4-ethynylphenyl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587866-36-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-6-phenyl-N-2-pyridinyl-4-thioxo- (9CI) (CA INDEX NAME)

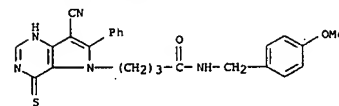


RN 587866-37-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-6-phenyl-N-4-pyridinyl-4-thioxo- (9CI) (CA INDEX NAME)

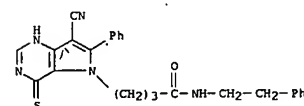


RN 587866-38-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-6-phenyl-N-2-pyridinyl-4-thioxo- (9CI) (CA INDEX NAME)

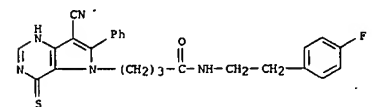
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



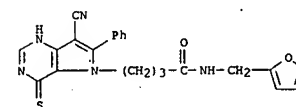
RN 587866-43-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-6-phenyl-N-(2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587866-44-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-[2-(4-fluorophenyl)ethyl]-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

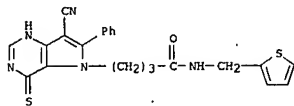


RN 587866-45-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-(2-furanylmethyl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

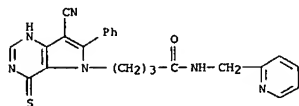


RN 587866-46-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-6-phenyl-N-(2-thienylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

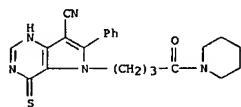
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



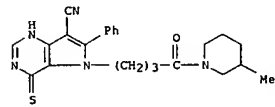
RN 587866-47-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanimide, 7-cyano-1,4-dihydro-6-phenyl-N-(2-pyridinylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 587866-48-6 CAPLUS
CN Piperidine, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]- (9CI) (CA INDEX NAME)

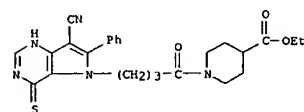


RN 587866-49-7 CAPLUS
CN Piperidine, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]-3-methyl- (9CI) (CA INDEX NAME)

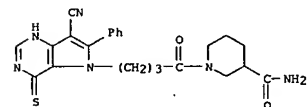


RN 587866-50-0 CAPLUS
CN Piperidine, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]-4-methyl- (9CI) (CA INDEX NAME)

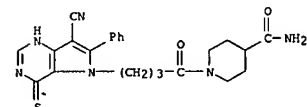
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



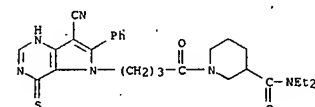
RN 587866-54-4 CAPLUS
CN 3-Piperidinecarboxamide, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]- (9CI) (CA INDEX NAME)



RN 587866-55-5 CAPLUS
CN 4-Piperidinecarboxamide, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]- (9CI) (CA INDEX NAME)

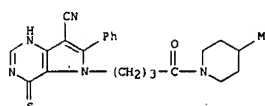


RN 587866-56-6 CAPLUS
CN 3-Piperidinecarboxamide, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]-N,N-diethyl- (9CI) (CA INDEX NAME)

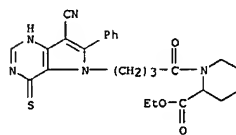


RN 587866-58-8 CAPLUS
CN 1,4-Dioxo-8-azaspiro[4.5]decane, 8-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]- (9CI) (CA INDEX NAME)

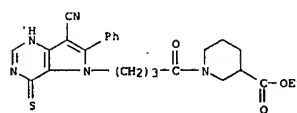
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587866-51-1 CAPLUS
CN 2-Piperidinecarboxylic acid, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]-, ethyl ester (9CI) (CA INDEX NAME)

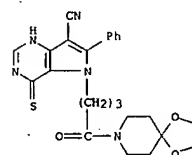


RN 587866-52-2 CAPLUS
CN 3-Piperidinecarboxylic acid, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]-, ethyl ester (9CI) (CA INDEX NAME)

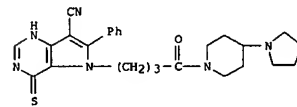


RN 587866-53-3 CAPLUS
CN 4-Piperidinecarboxylic acid, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]-, ethyl ester (9CI) (CA INDEX NAME)

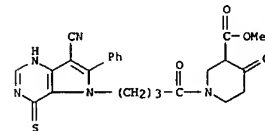
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587866-60-2 CAPLUS
CN Piperidine, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]-4-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)

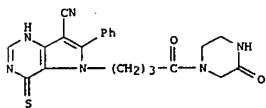


RN 587866-62-4 CAPLUS
CN 3-Piperidinecarboxylic acid, 1-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]-4-oxo-, methyl ester (9CI) (CA INDEX NAME)

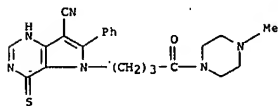


RN 587866-64-6 CAPLUS
CN Piperazinone, 4-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl]- (9CI) (CA INDEX NAME)

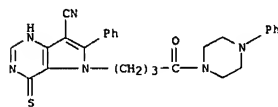
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



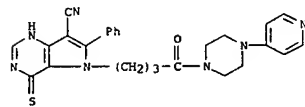
RN 587866-65-7 CAPLUS
CN Piperazine, 1-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}-4-methyl)- (9CI) (CA INDEX NAME)



RN 587866-66-8 CAPLUS
CN Piperazine, 1-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}-4-phenyl)- (9CI) (CA INDEX NAME)

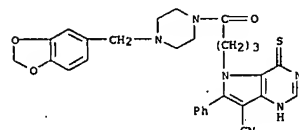


RN 587866-67-9 CAPLUS
CN Piperazine, 1-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}-4-(4-pyridinyl)- (9CI) (CA INDEX NAME)

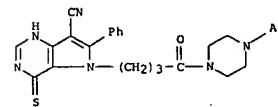


RN 587866-68-0 CAPLUS
CN Piperazine, 1-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}-4-(4-acetylphenyl)- (9CI) (CA INDEX NAME)

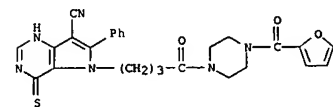
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



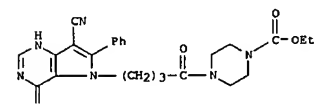
RN 587866-72-6 CAPLUS
CN Piperazine, 1-acetyl-4-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}- (9CI) (CA INDEX NAME)



RN 587866-73-7 CAPLUS
CN Piperazine, 1-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}-4-(2-furanylcarbonyl)- (9CI) (CA INDEX NAME)

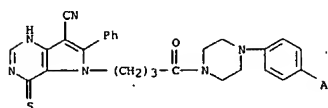


RN 587866-74-8 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}-, ethyl ester (9CI) (CA INDEX NAME)

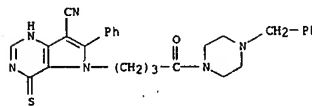


RN 587866-75-9 CAPLUS

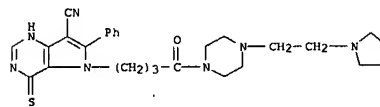
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587866-69-1 CAPLUS
CN Piperazine, 1-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}-4-(phenylmethyl)- (9CI) (CA INDEX NAME)

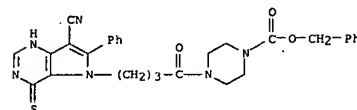


RN 587866-70-4 CAPLUS
CN Piperazine, 1-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}-4-(2-(1-pyrrolidinylethyl)- (9CI) (CA INDEX NAME)

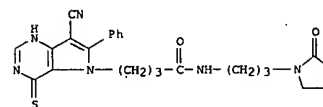


RN 587866-71-5 CAPLUS
CN Piperazine, 1-[(1,3-benzodioxol-5-ylmethyl)-4-(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}- (9CI) (CA INDEX NAME)

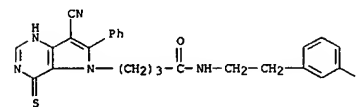
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 1-Piperazinecarboxylic acid, 4-[(4-{(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl}-, phenylmethyl ester (9CI) (CA INDEX NAME)



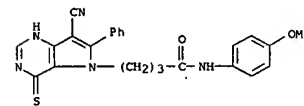
RN 587866-76-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-[3-(2-oxo-1-pyrrolidinyl)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587866-77-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-[2-(3-fluorophenyl)ethyl]-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

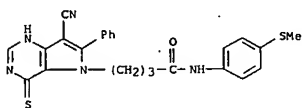


RN 587866-78-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-(4-methoxyphenyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

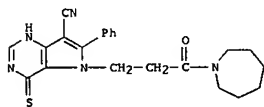


RN 587866-79-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-1,4-dihydro-N-[4-

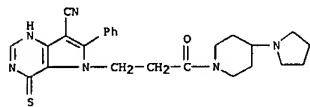
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 (methylthio)phenyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



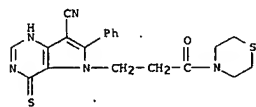
RN 587866-80-6 CAPLUS
 CN 1H-Azepine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]hexahydro- (9CI) (CA INDEX NAME)



RN 587866-81-7 CAPLUS
 CN Piperidine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



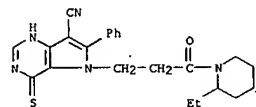
RN 587866-82-8 CAPLUS
 CN Thiomorpholine, 4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



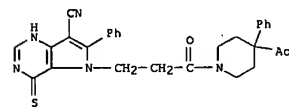
RN 587866-83-9 CAPLUS

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

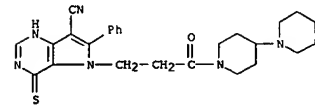
RN 587866-87-3 CAPLUS
 CN Piperidine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-2-ethyl- (9CI) (CA INDEX NAME)



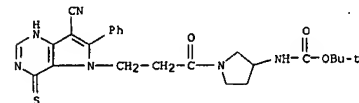
RN 587866-88-4 CAPLUS
 CN Piperidine, 4-acetyl-1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-phenyl- (9CI) (CA INDEX NAME)



RN 587866-89-5 CAPLUS
 CN 1,4'-Bipiperidine, 1'-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)

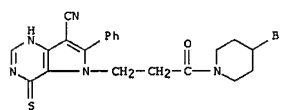


RN 587866-90-8 CAPLUS
 CN Carbamic acid, [1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

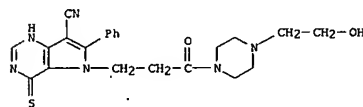


L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

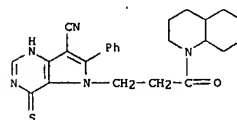
CN Piperidine, 4-bromo-1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



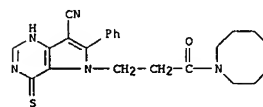
RN 587866-84-0 CAPLUS
 CN 1-Piperazineethanol, 4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



RN 587866-85-1 CAPLUS
 CN Quinoline, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]decahydro- (9CI) (CA INDEX NAME)



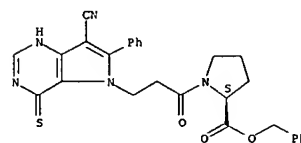
RN 587866-86-2 CAPLUS
 CN Azocine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]octahydro- (9CI) (CA INDEX NAME)



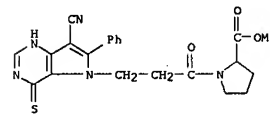
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 587866-91-9 CAPLUS
 CN L-Proline, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

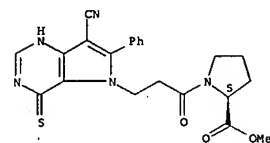


RN 587866-92-0 CAPLUS
 CN Proline, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 587866-93-1 CAPLUS
 CN L-Proline, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, methyl ester (9CI) (CA INDEX NAME)

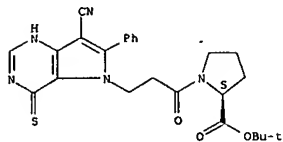
Absolute stereochemistry.



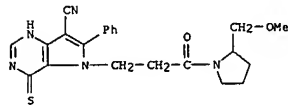
RN 587866-94-2 CAPLUS
 CN L-Proline, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

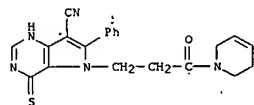
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



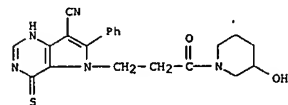
RN 587866-95-3 CAPLUS
CN Pyrrolidine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-2-(methoxymethyl)- (9CI) (CA INDEX NAME)



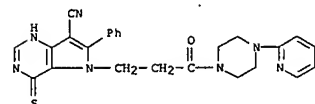
RN 587866-96-4 CAPLUS
CN Pyridine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-1,2,3,6-tetrahydro- (9CI) (CA INDEX NAME)



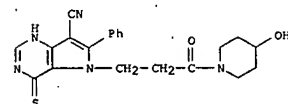
RN 587866-97-5 CAPLUS
CN 3-Piperidinol, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



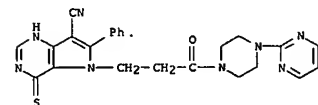
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



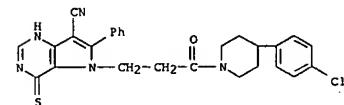
RN 587867-02-5 CAPLUS
CN 4-Piperidinol, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



RN 587867-03-6 CAPLUS
CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(2-pyrimidinyl)- (9CI) (CA INDEX NAME)



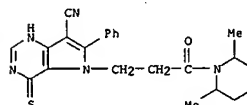
RN 587867-04-7 CAPLUS
CN Piperidine, 4-(4-chlorophenyl)-1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



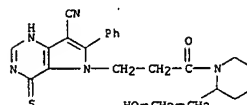
RN 587867-05-8 CAPLUS
CN Piperidine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(phenylmethyl)- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

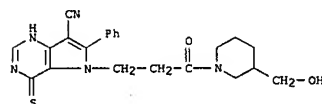
RN 587866-98-6 CAPLUS
CN Piperidine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-2,6-dimethyl- (9CI) (CA INDEX NAME)



RN 587866-99-7 CAPLUS
CN 2-Piperidineethanol, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)

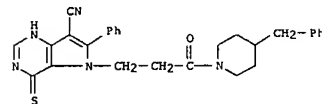


RN 587867-00-3 CAPLUS
CN 3-Piperidineethanol, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)



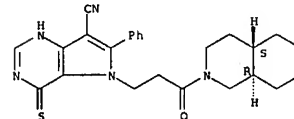
RN 587867-01-4 CAPLUS
CN Piperazine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(2-pyridinyl)- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



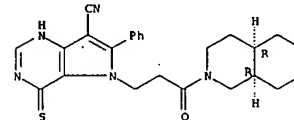
RN 587867-06-9 CAPLUS
CN Isoquinoline, 2-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]decahydro-, (4aR,8aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



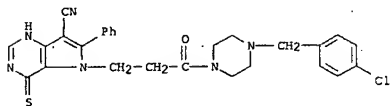
RN 587867-07-0 CAPLUS
CN Isoquinoline, 2-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]decahydro-, (4aR,8aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

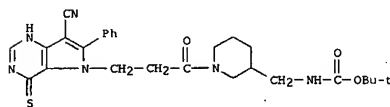


RN 587867-08-1 CAPLUS
CN Piperazine, 1-[(4-chlorophenyl)methyl]-4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)

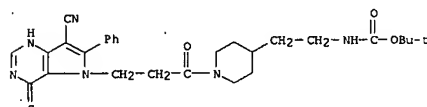
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587867-09-2 CAPLUS
CN Carbamic acid, [1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-3-piperidinylmethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

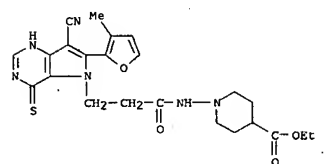


RN 587867-10-5 CAPLUS
CN Carbamic acid, [2-[1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-piperidinylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

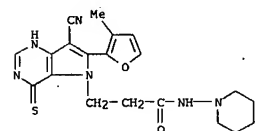


RN 587867-11-6 CAPLUS
CN Carbamic acid, [1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

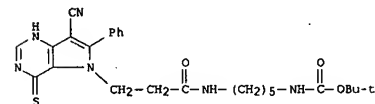
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587867-16-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-N-1-piperidinyl-4-thioxo- (9CI) (CA INDEX NAME)

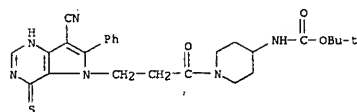


RN 587867-17-2 CAPLUS
CN Carbamic acid, [5-[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]amino]pentyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

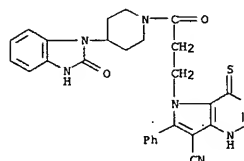


RN 587867-18-3 CAPLUS
CN Carbamic acid, [2-[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

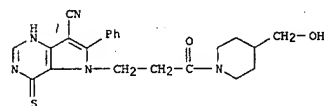
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587867-12-7 CAPLUS
CN Piperidine, 1-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)- (9CI) (CA INDEX NAME)

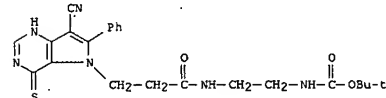


RN 587867-13-8 CAPLUS
CN 4-Piperidinecarboxylic acid, 1-[[3-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

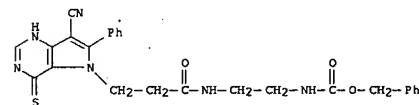


RN 587867-15-0 CAPLUS
CN 4-Piperidinecarboxylic acid, 1-[[3-(7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

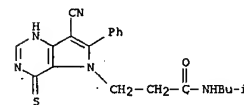
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



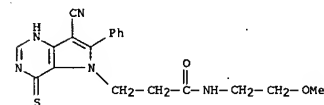
RN 587867-19-4 CAPLUS
CN Carbamic acid, [2-[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]amino]ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 587867-20-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(2-methylpropyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

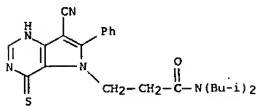


RN 587867-21-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(2-methoxyethyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

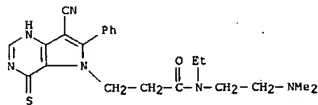


RN 587867-22-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-bis(2-methylpropyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

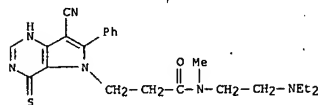
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



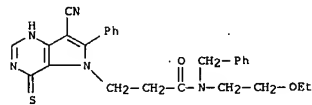
RN 587867-23-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-[2-(dimethylamino)ethyl]-N-ethyl-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-24-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(2-ethoxyethyl)-1,4-dihydro-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



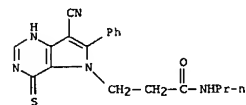
RN 587867-25-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(2-ethoxyethyl)-1,4-dihydro-6-phenyl-N-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



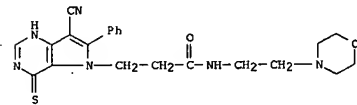
RN 587867-26-3 CAPLUS

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

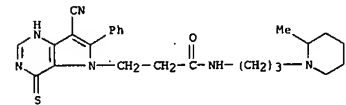
RN 587867-30-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N-propyl-4-thioxo- (9CI) (CA INDEX NAME)



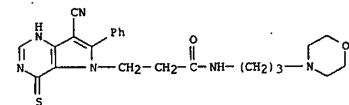
RN 587867-31-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-[2-(4-morpholinyl)ethyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-32-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-[3-(2-methyl-1-piperidinyl)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



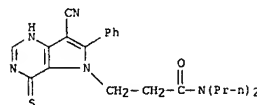
RN 587867-33-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-[3-(4-morpholinyl)propyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



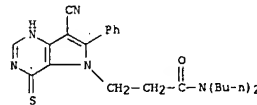
RN 587867-34-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(2-cyclohexylethyl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

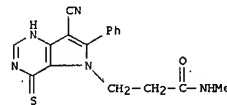
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N,N-dipropyl-4-thioxo- (9CI) (CA INDEX NAME)



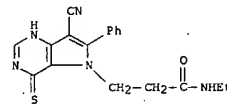
RN 587867-27-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N,N-dibutyl-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



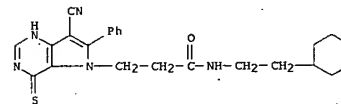
RN 587867-28-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



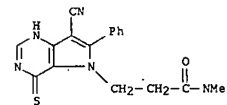
RN 587867-29-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-ethyl-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



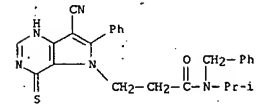
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



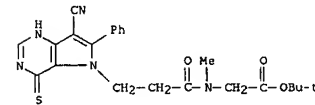
RN 587867-35-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N,N-dimethyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-36-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(1-methylethyl)-6-phenyl-N-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

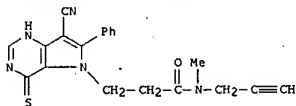


RN 587867-37-6 CAPLUS
CN Glycine, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-N-methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

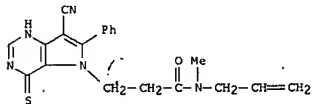


RN 587867-38-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-methyl-6-phenyl-N-2-propynyl-4-thioxo- (9CI) (CA INDEX NAME)

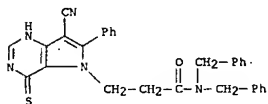
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



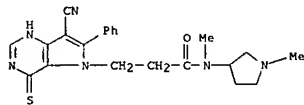
RN 587867-39-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-methyl-6-phenyl-N-2-propenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-40-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-N,N-bis(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

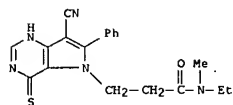


RN 587867-41-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-methyl-N-(1-methyl-3-pyrrolidinyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

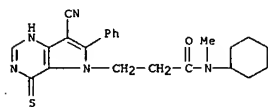


RN 587867-42-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(1,3-dioxolan-2-ylmethyl)-1,4-dihydro-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

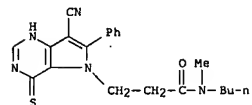
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



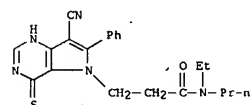
RN 587867-47-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-cyclohexyl-1,4-dihydro-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-48-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-butyl-7-cyano-1,4-dihydro-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

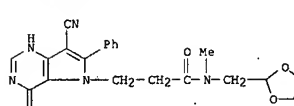


RN 587867-49-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-ethyl-1,4-dihydro-6-phenyl-N-propyl-4-thioxo- (9CI) (CA INDEX NAME)

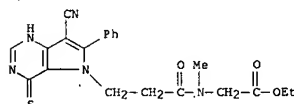


RN 587867-50-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(2-methoxyethyl)-N-methyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

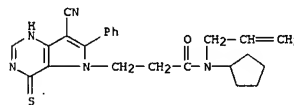
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



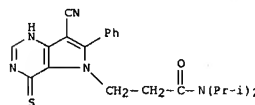
RN 587867-43-4 CAPLUS
CN Glycine, N-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]-N-methyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 587867-44-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-cyclopentyl-1,4-dihydro-6-phenyl-N-2-propenyl-4-thioxo- (9CI) (CA INDEX NAME)

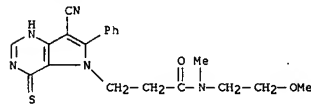


RN 587867-45-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N,N-bis(1-methylethyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

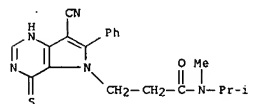


RN 587867-46-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-ethyl-1,4-dihydro-N-2-propenyl-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

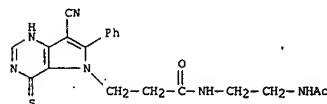
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



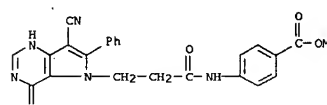
RN 587867-51-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-methyl-N-(1-methylethyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-52-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-[2-(acetylamino)ethyl]-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

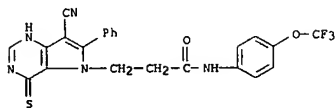


RN 587867-53-6 CAPLUS
CN Benzoic acid, 4-[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

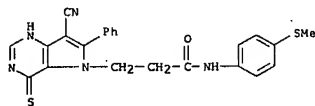


RN 587867-54-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-phenyl-4-thioxo-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

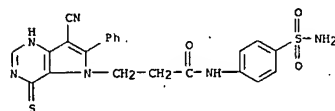
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



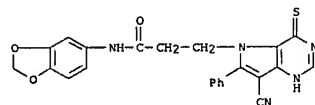
RN 587867-55-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-[4-(methylthio)phenyl]-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-56-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-[4-(aminosulfonyl)phenyl]-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



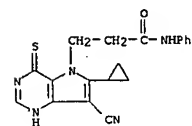
RN 587867-57-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-1,3-benzodioxol-5-yl-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



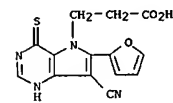
RN 587867-58-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-N-(3,5-dimethoxyphenyl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

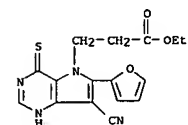
RN 587867-62-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-6-cyclopropyl-1,4-dihydro-N-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-63-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanoic acid, 7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



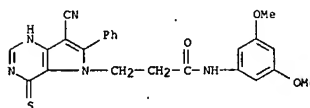
RN 587867-64-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanoic acid, 7-cyano-6-(2-furanyl)-1,4-dihydro-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)



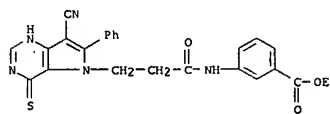
RN 587867-65-0 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanonic acid, 7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

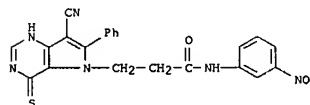
1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



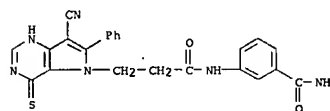
RN 587867-59-2 CAPLUS
CN Benzoic acid, 3-[[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



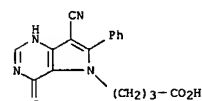
RN 587867-60-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-N-(3-nitrophenyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



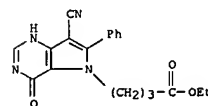
RN 587867-61-6 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, N-[3-(aminocarbonyl)phenyl]-7-cyano-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



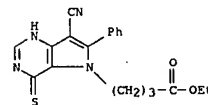
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



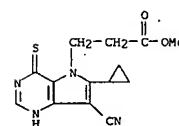
RN 587867-66-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanonic acid, 7-cyano-1,4-dihydro-4-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 587867-67-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanonic acid, 7-cyano-1,4-dihydro-6-phenyl-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)

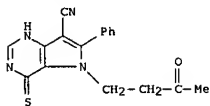


RN 587867-68-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanonic acid, 7-cyano-6-cyclopropyl-1,4-dihydro-4-thioxo-, methyl ester (9CI) (CA INDEX NAME)

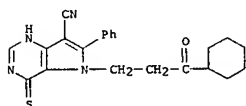


RN 587867-69-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-oxobutyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

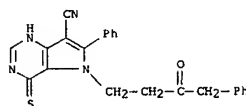
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



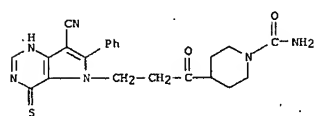
RN 587867-70-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(3-cyclohexyl-3-oxopropyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-71-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-oxo-4-phenylbutyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

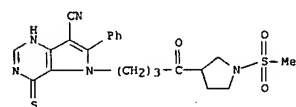


RN 587867-72-9 CAPLUS
CN 1-Piperidinecarboxamide, 4-[3-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxopropyl]- (9CI) (CA INDEX NAME)

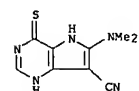


RN 587867-73-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(4-oxo-5-phenylpentyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

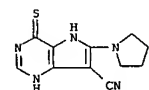
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
d]pyrimidin-5-yl)-1-oxobutyl)-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)



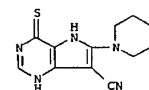
RN 587867-78-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(dimethylamino)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-79-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(1-pyrrolidinyl)-4-thioxo- (9CI) (CA INDEX NAME)

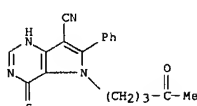


RN 587867-80-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(1-piperidyl)-4-thioxo- (9CI) (CA INDEX NAME)

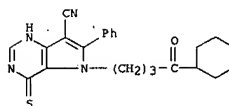


RN 587867-81-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-hydroxy-1-piperidinyl)-4-thioxo- (9CI) (CA INDEX NAME)

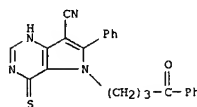
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



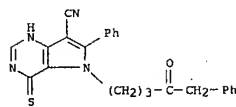
RN 587867-74-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-(4-cyclohexyl-4-oxobutyl)-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-75-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(4-oxo-4-phenylbutyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

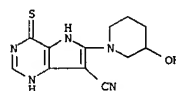


RN 587867-76-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(4-oxo-5-phenylpentyl)-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

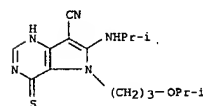


RN 587867-77-4 CAPLUS
CN Pyrrolidine, 3-[4-(7-cyano-1,4-dihydro-6-phenyl-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl)-1-oxobutyl)-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

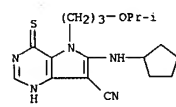
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



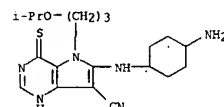
RN 587867-82-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(3-(1-methylethoxy)propyl)-6-[(1-methylethyl)amino]-4-thioxo- (9CI) (CA INDEX NAME)



RN 587867-83-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(cyclopentylamino)-4,5-dihydro-5-(3-(1-methylethoxy)propyl)-4-thioxo- (9CI) (CA INDEX NAME)

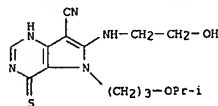


RN 587867-84-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[(4-aminocyclohexyl)amino]-4,5-dihydro-5-(3-(1-methylethoxy)propyl)-4-thioxo- (9CI) (CA INDEX NAME)

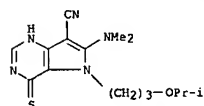


RN 587867-85-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[(2-hydroxyethyl)amino]-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

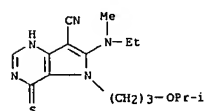
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



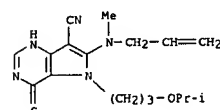
RN 587867-86-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(dimethylamino)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)



RN 587867-87-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(ethylmethlamino)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)

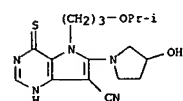


RN 587867-88-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(methyl-2-propenylamino)-4-thio- (9CI) (CA INDEX NAME)



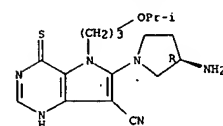
RN 587867-89-8 CAPLUS

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



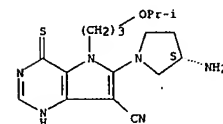
RN 587867-93-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[(3R)-3-amino-1-pyrrolidinyl]-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 587867-94-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[(3S)-3-amino-1-pyrrolidinyl]-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)

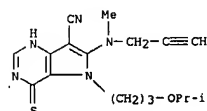
Absolute stereochemistry.



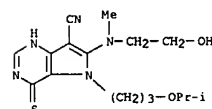
RN 587867-95-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(1-piperidinyl)-4-thio- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

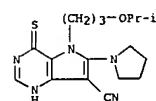
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(methyl-2-propynylamino)-4-thio- (9CI) (CA INDEX NAME)



RN 587867-90-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-[(2-hydroxyethyl)methylamino]-5-[3-(1-methylethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)

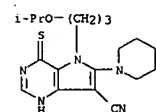


RN 587867-91-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(1-pyrrolidinyl)-4-thio- (9CI) (CA INDEX NAME)

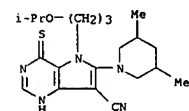


RN 587867-92-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-hydroxy-1-pyrrolidinyl)-5-[3-(1-methylethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)

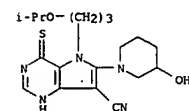
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



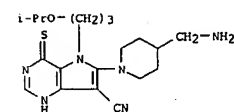
RN 587867-96-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(3,5-dimethyl-1-piperidinyl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)



RN 587867-97-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(3-hydroxy-1-piperidinyl)-5-[3-(1-methylethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)

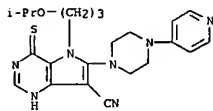


RN 587867-98-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-[4-(aminomethyl)-1-piperidinyl]-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thio- (9CI) (CA INDEX NAME)

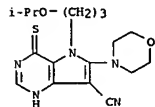


RN 587867-99-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-

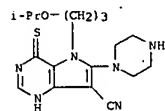
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
methylethoxy)propyl]-6-[4-(4-pyridinyl)-1-piperazinyl]-4-thioxo- (9CI)
(CA INDEX NAME)



RN 587868-00-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-[4-(4-morpholinyl)-4-thioxo- (9CI) (CA INDEX NAME)

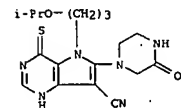


RN 587868-01-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(1-piperazinyl)-4-thioxo- (9CI) (CA INDEX NAME)

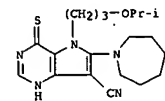


RN 587868-02-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(4-methyl-1-piperazinyl)-4-thioxo- (9CI) (CA INDEX NAME)

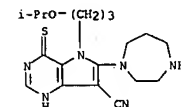
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



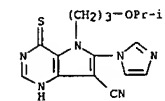
RN 587868-06-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(hexahydro-1H-azepin-1-yl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 587868-07-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(hexahydro-1H-1,4-diazepin-1-yl)-4,5-dihydro-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

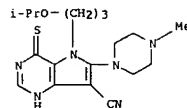


RN 587868-08-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-(1H-imidazol-1-yl)-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

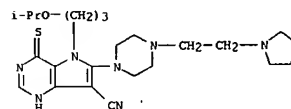


RN 587868-09-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-(2-methyl-1H-imidazol-1-yl)-4-thioxo- (9CI) (CA INDEX NAME)

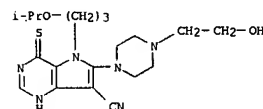
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 587868-03-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-[4-[2-(1-pyrrolidinyl)ethyl]-1-piperazinyl]-4-thioxo- (9CI) (CA INDEX NAME)

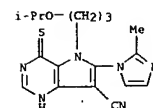


RN 587868-04-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-[4-(2-hydroxyethyl)-1-piperazinyl]-5-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

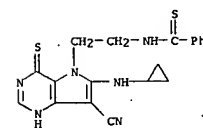


RN 587868-05-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[3-(1-methylethoxy)propyl]-6-[3-(1-methylethoxy)propyl]-4-thioxo- (9CI) (CA INDEX NAME)

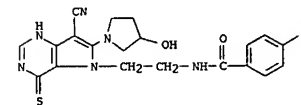
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



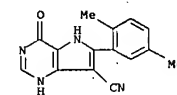
RN 587868-10-8 CAPLUS
CN Benzenecarbothioamide, N-[2-[7-cyano-6-(cyclopropylamino)-1,4-dihydro-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]- (9CI) (CA INDEX NAME)



RN 587868-11-9 CAPLUS
CN Benzenecarbothioamide, N-[2-[7-cyano-1,4-dihydro-6-(3-hydroxy-1-pyrrolidinyl)-4-thioxo-5H-pyrrolo[3,2-d]pyrimidin-5-yl]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)



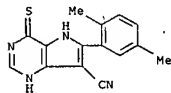
RN 587870-12-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,5-dimethylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



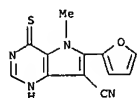
RN 587870-13-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2,5-dimethylphenyl)-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

10524995.trn

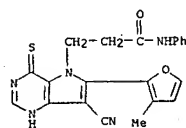
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



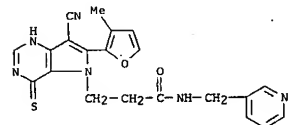
RN 587870-14-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-furanyl)-4,5-dihydro-5-methyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587870-15-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-N-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 587870-16-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-propanamide, 7-cyano-1,4-dihydro-6-(3-methyl-2-furanyl)-N-(3-pyridinylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



L16 ANSWER 7 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:396457 CAPLUS

DOCUMENT NUMBER: 138:385446

TITLE: Preparation of 9-deazaguanine derivatives as

inhibitors of GSK-3 and ROCK kinase
Cao, Jingrong; Choquette, Debbie; Davies, Robert;
Forster, Cornelius; Lauffer, David; Pierce, Albert;
Tomlinson, Ronald; Wannamaker, Marion; Metz, Natalie

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 38 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

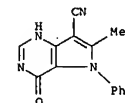
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003096813	A1	20030522	US 2002-125885	20020419 <--
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OTHER SOURCE(S): MARPAT 138:385446

IT 383161-28-2P 473997-19-2P 473997-36-3P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK kinase)

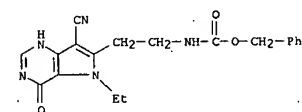
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CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-phenyl- (9CI) (CA INDEX NAME)



RN 473997-19-2 CAPLUS

CN Carbamic acid, [2-(7-cyano-5-ethyl-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



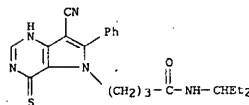
RN 473997-36-3 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-ethyl-4,5-dihydro-4-oxo-6-phenyl- (9CI) (CA INDEX NAME)

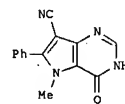
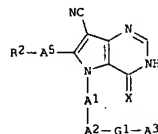
L16 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 587870-17-5 CAPLUS

CN 5H-Pyrrolo[3,2-d]pyrimidine-5-butanamide, 7-cyano-N-(1-ethylpropyl)-1,4-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



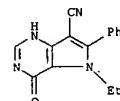
GI



AB The title pyrrolopyrimidine derivs. with general formula of I [wherein X = O or S; A1 = a single bond or aliphatic hydrocarbon; A2 = a single bond, CO, CO2, O, OCO, S, SO, SO2, (un)substituted CONH, CSNH, C=NH, NH, NHC, NHC=O, NHCO2, NHCONH, NHCS, NHCSNH, or SO2NH; G1 = a single bond or (un)substituted (hetero)cyclohydrocarbon; A3 = a single bond or aliphatic hydrocarbon; A4 = a single bond, CO, CO2, O, OCO, S, SO, SO2, SO3, (un)substituted CONH, CSNH, C=NH, NH, NHC, NHC=O, NHCONH, NHCS, NHCSNH, or SO2NH; G2 = H, or (un)substituted (hetero)(cyclo)hydrocarbon, etc.; A5 = a single bond or (un)substituted NH; R2 = H, F, Cl, Br, I, or (un)substituted (hetero)(cyclo)hydrocarbon, etc.] and pharmaceutically acceptable salts thereof are prepared as glycogen synthetase kinase 3 (GSK-3) inhibitors. For example, the compound II was prepared in a multi-step synthesis in good yield. Some of compds. I showed IC50 of <10 nM against GSK-3. I are useful as remedies or preventives for diseases in which GSK-3 participates such as diabetes, diabetic complications, Alzheimer's disease, neurodegenerative disease, depression, mania, traumatic brain injury, hair loss, inflammatory diseases, cancer, immunodeficiency (no data). Formulations containing I as an active ingredient were also described.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 473997-03-4P 473997-05-6P 473997-15-8P

473997-16-9P 473997-22-7P 473997-35-2P

473997-38-5P 473998-07-1P 473998-08-2P

473998-09-3P 473998-10-6P 473998-11-7P

473998-12-8P 473998-13-9P 473998-14-0P

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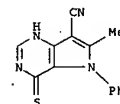
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK kinase)

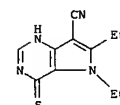
RN 473997-03-4 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 473997-05-6 CAPLUS

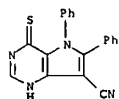
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5,6-diethyl-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



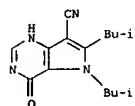
RN 473997-15-8 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5,6-diphenyl-4-thioxo- (9CI) (CA INDEX NAME)

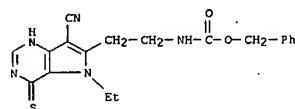
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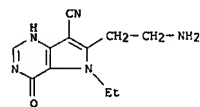
RN 473997-16-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5,6-bis(2-methylpropyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 473997-22-7 CAPLUS
CN Carbamic acid, [2-(7-cyano-5-ethyl-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

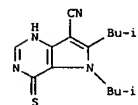


RN 473997-35-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-aminoethyl)-5-ethyl-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

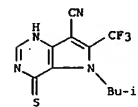


RN 473997-38-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-ethyl-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

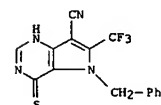
L16 ANSWER 7 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5,6-bis(2-methylpropyl)-4-thioxo- (9CI) (CA INDEX NAME)



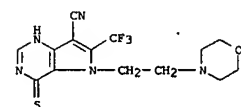
RN 473998-11-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(2-methylpropyl)-4-thioxo-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 473998-12-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(phenylmethyl)-4-thioxo-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

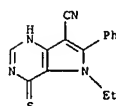


RN 473998-13-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-[2-(4-morpholinyl)ethyl]-4-thioxo-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

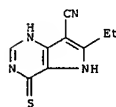


RN 473998-14-0 CAPLUS
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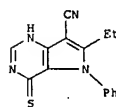
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thioxo- (9CI) (CA INDEX NAME)



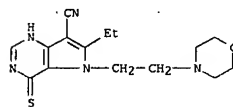
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CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 473998-08-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-5-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

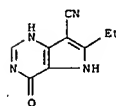


RN 473998-09-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-5-[2-(4-morpholinyl)ethyl]-4-thioxo- (9CI) (CA INDEX NAME)

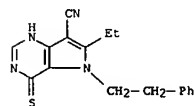


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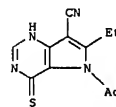
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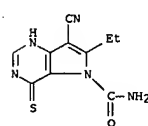
RN 473998-15-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-5-(2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 473998-16-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-acetyl-6-ethyl-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

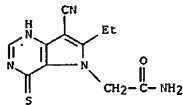


RN 473998-17-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-carboxamide, 7-cyano-6-ethyl-1,4-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

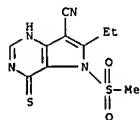


RN 473998-18-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-carboxamide, 7-cyano-6-ethyl-1,4-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

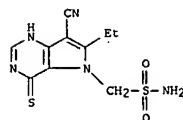
L16 ANSWER 7 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 473998-19-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-5-(methylsulfonyl)-4-thioxo- (9CI) (CA INDEX NAME)

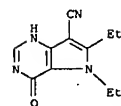


RN 473998-20-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-methanesulfonamide, 7-cyano-6-ethyl-1,4-dihydro-4-thioxo- (9CI) (CA INDEX NAME)

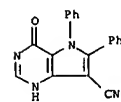


RN 473998-21-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-5-carboxylic acid, 7-cyano-6-ethyl-1,4-dihydro-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)

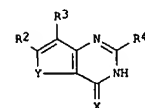
L16 ANSWER 7 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 473997-13-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-5,6-diphenyl- (9CI) (CA INDEX NAME)



GI



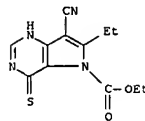
I

AB The present invention provides 9-deazaguanine derivs. I [X = O, S; Y = S, O, NR1; R1 = H, aliphatic, carboxy, acyl, etc.; R2 = H, aliphatic, alkoxy, thioalkoxy, etc.; R3 = H, aliphatic, CN, halo, NO, etc.; R4 = H, aliphatic, amino, amido, etc.], e.g., 4-thioxo-3,4,5,6,7,8-hexahydro-1,3,4b-triazafuorene-9-carbonitrile. These compds. are inhibitors of protein kinase, particularly inhibitors of GSK-3 mammalian protein kinase. The invention also provides pharmaceutical compns. comprising the inhibitors of the invention and methods of using those compns. in the treatment and prevention of various disorders, such as diabetes and Alzheimer's disease. IC50 and Ki detns. for inhibition of GSK-3 showed that many I have values below one μ M and IC50 detns. for ROCK inhibition showed that certain I inhibit ROCK kinase. Although the methods of preparation are not claimed,

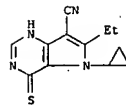
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example preps. of I are included.

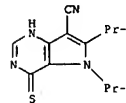
L16 ANSWER 7 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 473998-22-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-cyclopropyl-6-ethyl-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 473998-23-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-bis(1-methylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



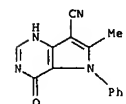
IT 473997-08-9P 473997-13-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK kinase)
RN 473997-08-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5,6-diethyl-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

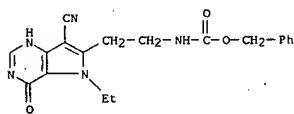
ACCESSION NUMBER: 2002:832804 CAPLUS
DOCUMENT NUMBER: 137:337910
TITLE: Preparation of 9-deazaguanine derivatives as inhibitors of GSK-3 and ROCK kinase
INVENTOR(S): Cao, Jingrong; Choquette, Debbie; Davies, Robert; Forster, Cornelia; Lauffer, David; Pierce, Albert; Tomlinson, Ronald; Wannamaker, Marion; Metz, Natalie
PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA
SOURCE: PCT Int. Appl., 106 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002085909	A1	20021031	WO 2002-US12395	20020419 <--
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
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CA 2444598	A1	20031031	CA 2002-2444598	20020419 <--
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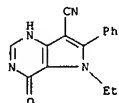
OTHER SOURCE(S): MARPAT 137:337910
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RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK kinase)
RN 383161-28-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-phenyl- (9CI) (CA INDEX NAME)



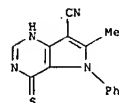
L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 473997-19-2 CAPLUS
 CN Carbamic acid, [2-(7-cyano-5-ethyl-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



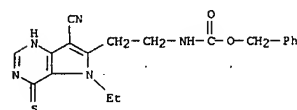
RN 473997-36-3 CAPLUS
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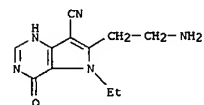
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 473998-09-3P 473998-10-6P 473998-11-7P
 473998-12-8P 473998-13-9P 473998-14-0P
 473998-15-1P 473998-16-2P 473998-17-3P
 473998-18-4P 473998-19-5P 473998-20-8P
 473998-21-9P 473998-22-0P 473998-23-1P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK kinase)
 RN 473997-03-4 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-5-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



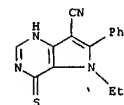
L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



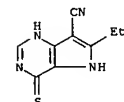
RN 473997-35-2 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-(2-aminoethyl)-5-ethyl-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 473997-38-5 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-ethyl-4,5-dihydro-6-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



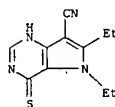
RN 473998-07-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



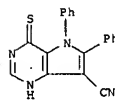
RN 473998-08-2 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-5-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

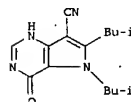
RN 473997-05-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5,6-diethyl-4,5-dihydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 473997-15-8 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5,6-diphenyl-4-thioxo- (9CI) (CA INDEX NAME)

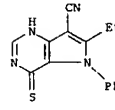


RN 473997-16-9 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5,6-bis(2-methylpropyl)-4-oxo- (9CI) (CA INDEX NAME)

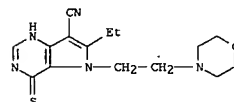


RN 473997-22-7 CAPLUS
 CN Carbamic acid, [2-(7-cyano-5-ethyl-4,5-dihydro-4-thioxo-1H-pyrrolo[3,2-d]pyrimidin-6-yl)ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

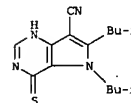
L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



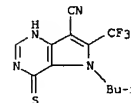
RN 473998-09-3 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-5-[2-(4-morpholinyl)ethyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 473998-10-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5,6-bis(2-methylpropyl)-4-thioxo- (9CI) (CA INDEX NAME)

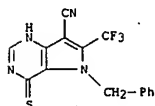


RN 473998-11-7 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(2-methylpropyl)-4-thioxo-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

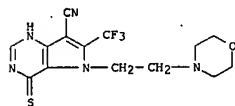


RN 473998-12-8 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(phenylmethyl)-4-thioxo-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

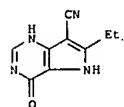
L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



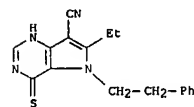
RN 473998-13-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5-(2-(4-morpholinyl)ethyl)-4-thio-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 473998-14-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)

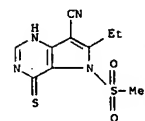


RN 473998-15-1 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-5-(2-phenylethyl)-4-thio- (9CI) (CA INDEX NAME)

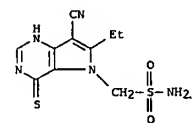


RN 473998-16-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-acetyl-6-ethyl-4,5-dihydro-4-thio- (9CI) (CA INDEX NAME)

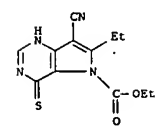
L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



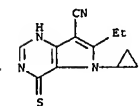
RN 473998-20-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-methanesulfonamide, 7-cyano-6-ethyl-1,4-dihydro-4-thio- (9CI) (CA INDEX NAME)



RN 473998-21-9 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-carboxylic acid, 7-cyano-6-ethyl-1,4-dihydro-4-thio-, ethyl ester (9CI) (CA INDEX NAME)

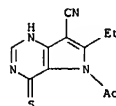


RN 473998-22-0 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5-cyclopropyl-6-ethyl-4,5-dihydro-4-thio- (9CI) (CA INDEX NAME)

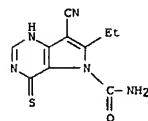


RN 473998-23-1 CAPLUS

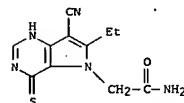
L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 473998-17-3 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-carboxamide, 7-cyano-6-ethyl-1,4-dihydro-4-thio- (9CI) (CA INDEX NAME)

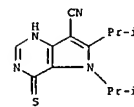


RN 473998-18-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-5-acetamide, 7-cyano-6-ethyl-1,4-dihydro-4-thio- (9CI) (CA INDEX NAME)



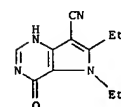
RN 473998-19-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 6-ethyl-4,5-dihydro-5-(methylsulfonyl)-4-thio- (9CI) (CA INDEX NAME)

L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-5,6-bis(1-methylethyl)-4-thio- (9CI) (CA INDEX NAME)

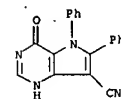


IT 473997-08-9P 473997-13-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK kinase)

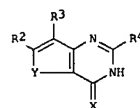
RN 473997-08-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 5,6-diethyl-4,5-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RN 473997-13-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-4-oxo-5,6-diphenyl- (9CI) (CA INDEX NAME)



GI



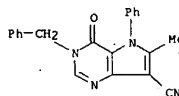
L16 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

AB The present invention provides 9-deazaguanine derivs. (shown as I; e.g. 4-thioxo-3,4,5,6,7,8-hexahydro-1,3,4b-triazafuorene-9-carbonitrile) or a pharmaceutically acceptable derivative thereof, wherein X is O or S; Y is -S-, -O- or -NR1-; and R2, R3, and R4 are as described in the specification. These compds. are inhibitors of protein kinase, particularly inhibitors of GSK-3 mammalian protein kinase. The invention also provides pharmaceutical compns. comprising the inhibitors of the invention and methods of using those compns. in the treatment and prevention of various disorders, such as diabetes and Alzheimer's disease. IC50 and Ki detns. for inhibition of GSK-3 showed that many I have values below one μ M and IC50 detns. for ROCK inhibition showed that certain I inhibit ROCK kinase. Although the methods of preparation are not claimed, 39 example preps. of I are included.

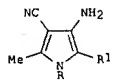
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 9 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:436287 CAPLUS
DOCUMENT NUMBER: 135:242200
TITLE: Torp-Ziegler cyclization in the synthesis of 3-amino-4-cyanopyrrole derivatives
AUTHOR(S): Ryndina, S. A.; Kadushkin, A. V.; Solov'eva, N. P.; Granik, V. G.
CORPORATE SOURCE: Research Institute for Intermediates and Dyestuffs, State Scientific Center of the Russian Federation, Moscow, 103787, Russia
SOURCE: Chemistry of Heterocyclic Compounds (New York, NY, United States) (Translation of Khimiya Geterotsiklicheskih Soedinenii) (2000), 36(12), 1409-1420
CODEN: CHCCAL; ISSN: 0009-3122
CONSULTANTS BUREAU, Journal
PUBLISHER: English
DOCUMENT TYPE: CASREACT 135:242200
LANGUAGE: English
OTHER SOURCE(S):
IT 302802-20-6P
RL: SPN (Synthetic preparation); PREP (Preparation) (Torp-Ziegler cyclization of β -enamino nitriles with alkyl halides to aminocyanopyrroles)
RN 302802-20-6 CAPLUS
CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carbonitrile, 4,5-dihydro-6-methyl-4-oxo-5-phenyl-3-(phenylmethyl)- (9CI) (CA INDEX NAME)



GI



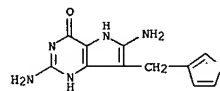
AB Polyfunctional derivs. of 3-aminopyrrole, I (R = Me, PhCH2, Ph, 4-BrC6H4, 4-ClC6H4, R1 = PhCO, MeO2C, 4-BrC6H4CO, EtO2C), have been synthesized from several substituted β -enamino nitriles (NC)2C:CHNHR using Torp-Ziegler cyclization with alkyl halides. These compds. are starting materials for further conversions, particularly for the synthesis of pyrrolo[3,2-d]- and pyrrolo[3,4-d]pyrimidines.

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 9 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

L16 ANSWER 10 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

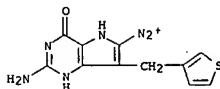
ACCESSION NUMBER: 2001:279860 CAPLUS
DOCUMENT NUMBER: 135:62958
TITLE: The Chemical Development of CI-972 and CI-1000: A Continuous Nitration, A MgCl2/Et3N-Mediated C-Alkylation of a Chloronitropyrimidine. A Catalytic Protodediazotization of a Diazonium Salt, and an Air Oxidation of an Amine
AUTHOR(S): De Jong, Randall L.; Davidson, James G.; Dozeman, Gary J.; Fiore, Philip J.; Girt, Punam; Kelly, Margaret E.; Puls, Timothy P.; Seamans, Ronald E.
CORPORATE SOURCE: Pfizer Global Research and Development Holland Laboratories, Holland, MI, 49424, USA
SOURCE: Organic Process Research & Development (2001), 5(3), 216-225
CODEN: OPRDFX; ISSN: 1083-6160
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 115787-68-3P, CI-972
RL: IMF (Industrial manufacture); PREP (Preparation) (Chemical development of CI-972 and CI-1000 (PNP inhibitors): continuous nitration and subsequent MgCl2/Et3N-mediated C-alkylation of chloronitropyrimidine, catalytic protodediazotization of diazonium salt, and air oxidation of amine)
RN 115787-68-3 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

IT 163217-79-6P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent) (Chemical development of CI-972 and CI-1000 (PNP inhibitors): continuous nitration and subsequent MgCl2/Et3N-mediated C-alkylation of chloronitropyrimidine, catalytic protodediazotization of diazonium salt, and air oxidation of amine)
RN 163217-79-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-6-diazonium, 2-amino-4,5-dihydro-4-oxo-7-(3-thienylmethyl)-, chloride (9CI) (CA INDEX NAME)

L16 ANSWER 10 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

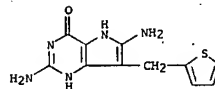
● Cl⁻

AB Efficient, large-scale processes were developed for the preparation of the potent PNP inhibitors: 2,6-diamino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidin-4-one hydrochloride monohydrate and 2-amino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidin-4-one hydrochloride monohydrate (I). We report (1) a safe, continuous nitration process for the preparation of 2-amino-6-chloro-5-nitro-4-pyrimidinol and its stable diisopropylamine salt, (2) the first MgCl₂/Et₃N-mediated C-alkylation of a chloronitropyrimidine, (3) a rare catalytic protodiazotization of 2-amino-4-oxo-7-thiophen-3-ylmethyl-4,5-dihydro-3H-pyrrolo[3,2-d]pyrimidine-6-diazonium chloride, (4) a single-step process to prepare I directly from 2-amino-6-hydroxy-5-nitro-4-(3-thienylmethyl)-4-pyrimidineacetonitrile using a sponge nickel-catalyzed reduction, and (5) a method to convert the over-reduction byproduct: 2,5-diamino-6-(1-aminomethyl-2-thiophen-3-yl-ethyl)-pyrimidin-4-ol into I using air oxidation.

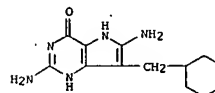
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 11 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:48250 CAPLUS
DOCUMENT NUMBER: 134:246867
TITLE: Structure-activity relationships for a collection of structurally diverse inhibitors of purine nucleoside phosphorylase
AUTHOR(S): Andricopulo, Adriano D.; Yunes, Rosendo A.
CORPORATE SOURCE: College of Pharmacy, University of Michigan, Ann Arbor, MI, 48109, USA
SOURCE: Chemical & Pharmaceutical Bulletin (2001), 49(1), 10-17
CODEN: CPBTAL; ISSN: 0009-2363
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 115812-51-6 139367-73-0 192653-69-3
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(SAR of structurally diverse inhibitors of purine nucleoside phosphorylase)
RN 115812-51-6 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(2-thienylmethyl)- (9CI) (CA INDEX NAME)

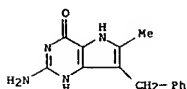


RN 139367-73-0 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(cyclohexylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)



RN 192653-69-3 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2-amino-1,5-dihydro-6-methyl-7-(phenylmethyl)- (9CI) (CA INDEX NAME)

L16 ANSWER 11 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

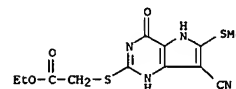


AB Values of inhibition consts., K_i, and concns. required for 50% inhibition, IC₅₀, for a collection of structurally diverse competitive inhibitors of calf spleen purine nucleoside phosphorylase have been determined employing inosine as substrate. These values have been employed to create predictive quant. structure-activity relationships (QSAR) which link structure to values of K_i and IC₅₀. These QSAR models have substantial power to predict values and the associated uncertainties for K_i and IC₅₀ for unknown, structurally diverse inhibitors of purine nucleoside phosphorylase.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 12 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:798997 CAPLUS
DOCUMENT NUMBER: 134:115913
TITLE: New syntheses of 2-alkylthio-4-oxo-3,4-dihydroquinazolines, 2-alkylthioquinazolines, as well as their hetero analogues
AUTHOR(S): Gruner, Margit; Rehwal, Matthias; Eckert, Katrin; Gewald, Karl
CORPORATE SOURCE: Institut of Organic Chemistry, Technical University Dresden, Dresden, D-01062, Germany
SOURCE: Heterocycles (2000), 53(11), 2363-2377
CODEN: HETCYM; ISSN: 0385-5414
PUBLISHER: Japan Institute of Heterocyclic Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 134:115913
IT 321434-40-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of 2-alkylthio-4-oxo-3,4-dihydroquinazolines, 2-alkylthioquinazolines, and their hetero analogues)
RN 321434-40-6 CAPLUS
CN Acetic acid, [(7-cyano-4,5-dihydro-6-(methylthio)-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-2-yl)thio]-, ethyl ester (9CI) (CA INDEX NAME)



AB N-Chloroacetylthiophanilic acid Et ester reacts with potassium thiocyanate in the presence of alc. to give the (4-oxo-3,4-dihydroquinazolin-2-ylsulfanyl)acetic acid ester. In the presence of water or amines the free acetic acid derivative or the acetamide derivs. are obtained. 2-Amino-4-oxo-3,4-dihydroquinazolines arise if vigorous reaction conditions are employed. Analogously, N-chloroacetyl derivs. of 5-membered heterocycles with enamino-carbonyl structure react with potassium thiocyanate to yield thieno[2,3-d]-, thieno[3,2-d]-, imidazo[4,5-d]-, pyrrolo[3,2-d]-, and thiazolo[4,5-d]pyrimidines. Quinazolines are formed by the reaction of 2-chloroacetylaminobenzophenone and 2-chloroacetylaminobenzophenone with potassium thiocyanate and subsequent treatment of the intermediates with amines.

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 13 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN

ACCESSION NUMBER: 1999:358538 CAPLUS

DOCUMENT NUMBER: 131:153425

TITLE: Structure-Activity Relationships for a Class of Inhibitors of Purine Nucleoside Phosphorylase
 AUTHOR(S): Farutin, Victor; Masterson, Lori; Andricopulo, Adriano D.; Cheng, Jianming; Riley, Brad; Hakimi, Ryan; Frazer, Jack W.; Cordes, Eugene H.

CORPORATE SOURCE: College of Pharmacy and Department of Chemistry, University of Michigan, Ann Arbor, MI, 48109, USA

SOURCE: Journal of Medicinal Chemistry (1999), 42(13), 2422-2431

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

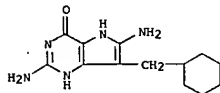
LANGUAGE: English

IT 139367-73-0 192653-69-3

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (discovery of purine nucleoside phosphorylase inhibitors using QSAR)

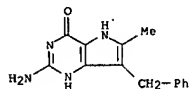
RN 139367-73-0 CAPLUS

CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(cyclohexylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)



RN 192653-69-3 CAPLUS

CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2-amino-1,5-dihydro-6-methyl-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



AB Values of inhibition consts., K_i , for a family of structurally related, competitive inhibitors of calf spleen purine nucleoside phosphorylase (PNP) have been determined employing both inosine as substrate and a manual assay and 2-amino-6-mercapto-7-methylpurine ribonucleoside (MESG) as substrate and a robot-based enzyme kinetics facility. Several of the values determined robotically were confirmed employing the same substrate and a manual assay. Surprisingly, for many of the inhibitors examined, values of

L16 ANSWER 14 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN

ACCESSION NUMBER: 1998:282933 CAPLUS

DOCUMENT NUMBER: 128:321614

TITLE: Studies on Pyrimidine-Annulated Heterocycles: Synthesis of Pyrrolo[3,2-d]pyrimidines by Amine Oxide Rearrangement

AUTHOR(S): Majumdar, K. C.; Das, U.; Jana, N. K.
 CORPORATE SOURCE: Department of Chemistry, University of Kalyani, Kalyani, 741235, India

SOURCE: Journal of Organic Chemistry (1998), 63(11), 3550-3553

CODEN: JOCEAH; ISSN: 0022-3263

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 128:321614

IT 207112-27-4P 207112-28-5P 207112-29-6P

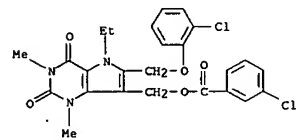
207112-30-9P 207112-31-0P 207112-32-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrrolo[3,2-d]pyrimidines by amine oxide rearrangement)

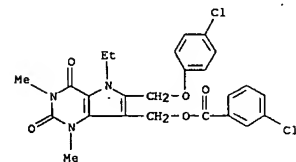
RN 207112-27-4 CAPLUS

CN Benzoic acid, 3-chloro-, [6-[(2-chlorophenoxy)methyl]-5-ethyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)methyl ester (9CI) (CA INDEX NAME)



RN 207112-28-5 CAPLUS

CN Benzoic acid, 3-chloro-, [6-[(4-chlorophenoxy)methyl]-5-ethyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)methyl ester (9CI) (CA INDEX NAME)



RN 207112-29-6 CAPLUS

CN Benzoic acid, 3-chloro-, [5-ethyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-

L16 ANSWER 13 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

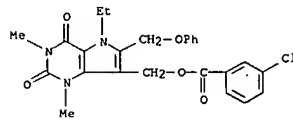
Ki detd. with MESG as substrate are smaller than those obtained employing inosine as substrate by a factor that varies from less than 2 to 10. Values of concns. required for 50% inhibition of PNP, IC50, have also been detd. for the same family of inhibitors employing inosine as substrate. Values of IC50 and those for Ki and Kmesg for subsets of the inhibitors have been employed as training sets to create quant. structure-activity relationships (QSAR) which have substantial power to predict values of IC50 and Ki for inhibitors outside the training set. These QSAR models should be useful in guiding future medicinal chem. efforts designed to discover inhibitors of PNP having increased potency.

REFERENCE COUNT: 17

THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

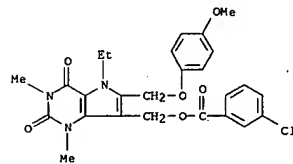
L16 ANSWER 14 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

dioxo-6-(phenoxymethyl)-1H-pyrrolo[3,2-d]pyrimidin-7-yl)methyl ester (9CI) (CA INDEX NAME)



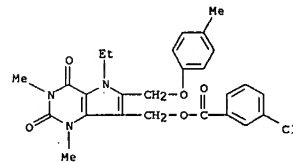
RN 207112-30-9 CAPLUS

CN Benzoic acid, 3-chloro-, [5-ethyl-2,3,4,5-tetrahydro-6-[(4-methoxyphenoxy)methyl]-1,3-dimethyl-2,4-dioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)methyl ester (9CI) (CA INDEX NAME)



RN 207112-31-0 CAPLUS

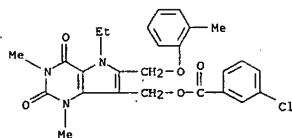
CN Benzoic acid, 3-chloro-, [5-ethyl-2,3,4,5-tetrahydro-1,3-dimethyl-6-[(4-methylphenoxy)methyl]-2,4-dioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)methyl ester (9CI) (CA INDEX NAME)



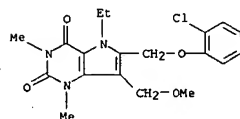
RN 207112-32-1 CAPLUS

CN Benzoic acid, 3-chloro-, [5-ethyl-2,3,4,5-tetrahydro-1,3-dimethyl-6-[(2-methylphenoxy)methyl]-2,4-dioxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)methyl ester (9CI) (CA INDEX NAME)

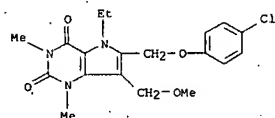
L16 ANSWER 14 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 207112-33-2P 207112-34-3P 207112-35-4P
 207112-36-5P 207112-37-6P 207112-38-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of pyrrolo[3,2-d]pyrimidines by amine oxide rearrangement)
 RN 207112-33-2 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 6-[(2-chlorophenoxy)methyl]-5-ethyl-7-(methoxymethyl)-1,3-dimethyl- (9CI) (CA INDEX NAME)



RN 207112-34-3 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 6-[(4-chlorophenoxy)methyl]-5-ethyl-7-(methoxymethyl)-1,3-dimethyl- (9CI) (CA INDEX NAME)

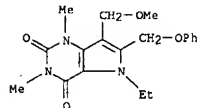


RN 207112-35-4 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 5-ethyl-7-(methoxymethyl)-1,3-dimethyl-6-(phenoxymethyl)- (9CI) (CA INDEX NAME)

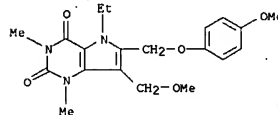
L16 ANSWER 14 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

AB A number of pyrrolo[3,2-d]pyrimidine derivs. were synthesized in 90-95% yields from the corresponding 5-[N-[4-(aryloxy)but-2-ynyl]-N-ethylamino]-1,3-dimethyluracils by simple treatment with 1 equiv of n-chloroperoxybenzoic acid in dichloromethane at 0-5 °C for 12-15 h. The resulting m-chlorobenzoates were easily converted to methoxy derivs. in 92-94% yields when refluxed in methanol for 20-22 h.
 REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

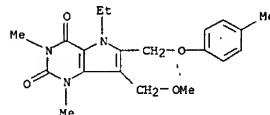
L16 ANSWER 14 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



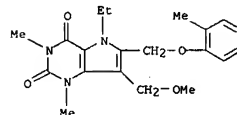
RN 207112-36-5 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 5-ethyl-7-(methoxymethyl)-6-[(4-methoxyphenoxy)methyl]-1,3-dimethyl- (9CI) (CA INDEX NAME)



RN 207112-37-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 5-ethyl-7-(methoxymethyl)-1,3-dimethyl-6-[(4-methylphenoxy)methyl]- (9CI) (CA INDEX NAME)

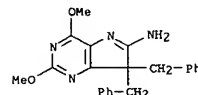


RN 207112-38-7 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 5-ethyl-7-(methoxymethyl)-1,3-dimethyl-6-[(2-methylphenoxy)methyl]- (9CI) (CA INDEX NAME)



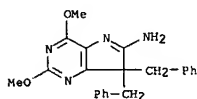
L16 ANSWER 15 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:193124 CAPLUS
 DOCUMENT NUMBER: 128:230342
 TITLE: Preparation of 6-amino-2,4-dimethoxy-7,7-dibenzyl-7H-pyrrolo[3,2-d]pyrimidine and its reactions
 AUTHOR(S): Otsar, Miroslav; Masojdikova, Milena; Budesinsky, Milos; Holy, Antonin
 CORPORATE SOURCE: Institute Organic Chem. and Biochem., Academy Sciences Czech Republic, Prague, 166 10, Czech.
 SOURCE: Conference of Organic Chemists on Advances in Organic Chemistry, 22nd, Casta-Papiernicka, Slovakia, June 11-13, 1997 (1997), 109-110. Editor(s): Fiser, Lubor; Krutosikova, Alzbeta; Benckova, Maria. Vydavatelstvo STU: Bratislava, Slovakia. CODEN: 65UVA2
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 IT 204714-48-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reactions of aminodimethoxydibenzylpyrrolopyrimidine)
 RN 204714-48-7 CAPLUS
 CN 7H-Pyrrolo[3,2-d]pyrimidin-6-amine, 2,4-dimethoxy-7,7-bis(phenylmethyl)- (9CI) (CA INDEX NAME)

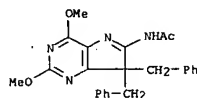


AB A conference.
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 16 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1998:168857 CAPLUS
 DOCUMENT NUMBER: 128:244008
 TITLE: Catalytic hydrogenation causes C-benzyl bond cleavage in 6-amino-7,7-dibenzyl-2,4-dimethoxy-7H-pyrrolo[3,2-d]pyrimidine: an example indicating novel route to 6-amino-7-benzyl-5H-pyrrolo[3,2-d]pyrimidines and related compounds
 AUTHOR(S): Otmar, Miroslav; Masojdkova, Milena; Budesinsky, Milos; Holy, Antonin
 CORPORATE SOURCE: Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, Prague, 166 10, Czech Rep.
 SOURCE: Tetrahedron (1998), 54(12), 2931-2940
 CODEN: TETRA; ISSN: 0040-4020
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 128:244008
 IT 204714-48-7P 204860-55-9P 204860-57-1P
 204860-59-3P 204860-61-7P 204860-62-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (hydrogenolysis of a C-benzyl group in preparation of pyrrolopyrimidinamines)
 RN 204714-48-7 CAPLUS
 CN 7H-Pyrrolo[3,2-d]pyrimidin-6-amine, 2,4-dimethoxy-7,7-bis(phenylmethyl)- (9CI) (CA INDEX NAME)

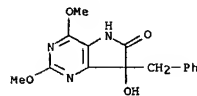


RN 204860-55-9 CAPLUS
 CN Acetamide, N-[2,4-dimethoxy-7,7-bis(phenylmethyl)-7H-pyrrolo[3,2-d]pyrimidin-6-yl]- (9CI) (CA INDEX NAME)

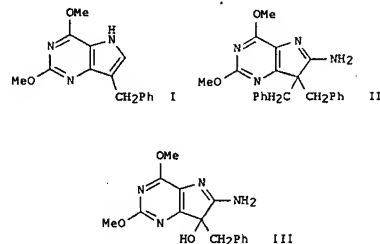


RN 204860-57-1 CAPLUS
 CN 5H-Pyrrolo[3,2-d]pyrimidin-6-amine, 2,4-dimethoxy-7-(phenylmethyl)- (9CI) (CA INDEX NAME)

L16 ANSWER 16 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 204860-64-0 CAPLUS
 CN 6H-Pyrrolo[3,2-d]pyrimidin-6-one, 5,7-dihydro-7-hydroxy-2,4-dimethoxy-7-(phenylmethyl)- (9CI) (CA INDEX NAME)

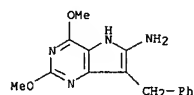


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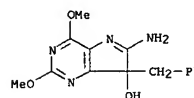


AB Benzylpyrrolo[3,2-d]pyrimidines I and II were prepared by reductive cyclization of the corresponding 6-(1-cyanoalkyl)-5-nitropyrimidines. Catalytic hydrogenation of II causes a C-C bond cleavage between carbon C-7 and one of the geminal benzyl groups, which yields 6-amino-7-benzyl-2,4-dimethoxy-5H-pyrrolo[3,2-d]pyrimidine which spontaneously oxidized in air to benzylpyrrolo[3,2-d]pyrimidine III.
 REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

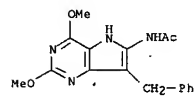
L16 ANSWER 16 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



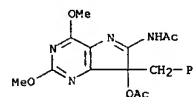
RN 204860-59-3 CAPLUS
 CN 7H-Pyrrolo[3,2-d]pyrimidin-7-ol, 6-amino-2,4-dimethoxy-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 204860-61-7 CAPLUS
 CN Acetamide, N-[2,4-dimethoxy-7-(phenylmethyl)-5H-pyrrolo[3,2-d]pyrimidin-6-yl]- (9CI) (CA INDEX NAME)



RN 204860-62-8 CAPLUS
 CN Acetamide, N-[7-(acetyloxy)-2,4-dimethoxy-7-(phenylmethyl)-7H-pyrrolo[3,2-d]pyrimidin-6-yl]- (9CI) (CA INDEX NAME)

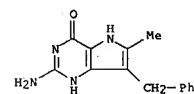


IT 204860-64-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (hydrogenolysis of a C-benzyl group in preparation of pyrrolopyrimidinamines)

L16 ANSWER 17 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1997:511733 CAPLUS
 DOCUMENT NUMBER: 127:121751
 TITLE: Process for the preparation of 9-deazaguanine derivatives from enamines
 INVENTOR(S): Elliott, Arthur J.; Walsh, David A.; Morris, Philip E.
 PATENT ASSIGNEE(S): Biocryst Pharmaceuticals, Inc., USA; Elliott, Arthur J.; Walsh, David A.; Morris, Philip E.
 SOURCE: PCT Int. Appl., 77 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

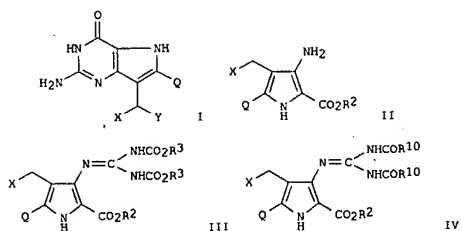
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9721653	A1	19970619	WO 1996-US19556	19961212 <--
V: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, RW, YE, ZS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5650511	A	19970722	US 1995-570786	19951212 <--
CA 2273983	A1	19970619	CA 1996-2273983	19961212 <--
AU 9711500	A	19970703	AU 1997-11500	19961212 <--
CN 1239472	A	19991222	CN 1996-180535	19961212 <--
EP 970029	A1	20000112	EP 1996-942933	19961212 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NZ 335948	A	20000728	NZ 1996-335948	19961212 <--
JP 2001521483	T	20011106	JP 1997-522143	19961212 <--
KR 2000057547	A	20000925	KR 1999-705268	19990611 <--
PRIORITY APPLN. INFO.:			US 1995-570786	A 19951212 <--
			WO 1996-US19556	A 19961212 <--

OTHER SOURCE(S): CASREACT 127:121751; MARPAT 127:121751
 IT 192653-69-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (process for the preparation of 9-deazaguanine deriva. from enamines)
 RN 192653-69-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2-amino-1,5-dihydro-6-methyl-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



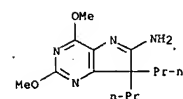
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L16 ANSWER 17 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

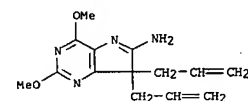


AB The title compds. [I: Q = H, alkyl, CF₃, Ph; X = (un)substituted aryl, heterocyclic or alicyclic ring substituent; Y = H, alkyl, CONH₂, CO₂H, etc.] are prepared by the reaction of a ketone or aldehyde QCOCH(CH₂X)CN with a dialkylaminomalonate to produce an enamine, which is cyclized with a base to produce a pyrrole (II; R₂ = Cl-4 alkyl), II is reacted with a urea R₃O₂CN:C(Z)NHCOR₃ (R₃ = Cl-4 alkyl; Z = alkylthio, -S, SH, Cl, alkoxy; the N=C double bond is optional) to form a guanidino derivative (III) or II is reacted with a carbamimidic acid R₁OCON:C(R₁)NHCOR₁₀ [R₁₀ = (un)substituted Ph; R₁ = alkoxy] to form a protected guanidino derivative (IV); III or IV are then cyclized in the presence of CF₃CO₂H or alkoxides or alkalis or alkaline earth metal hydroxides, followed by acid neutralization to produce I. Thus, Me 3-amino-4-[2-cyano-1-(3-pyridyl)ethyl]-1H-pyrrole-2-carboxylate was reacted with N,N'-bis(carbomethoxy)-5-methylisothiourea and Et₃N in MeCN, mercuric chloride added, the solvent evaporated, the residue extracted with MeOH, the extract reacted with NaOMe in MeOH, and the mixture neutralized with AcOH in H₂O, producing 3-(3-pyridyl)-3-(2-amino-4-oxo-3H,5H-pyrrolo[3,2-d]pyrimidin-6-yl)propanenitrile hemihydrate [m.p. 297-299° (decomposition)] in 27.5% yield.

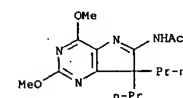
L16 ANSWER 18 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 7H-Pyrrolo[3,2-d]pyrimidin-6-amine, 2,4-dimethoxy-7,7-dipropyl- (9CI) (CA INDEX NAME)



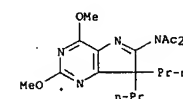
RN 186261-23-4 CAPLUS
CN 7H-Pyrrolo[3,2-d]pyrimidin-6-amine, 2,4-dimethoxy-7,7-di-2-propenyl- (9CI) (CA INDEX NAME)



RN 186261-32-5 CAPLUS
CN Acetamide, N-(2,4-dimethoxy-7,7-dipropyl-7H-pyrrolo[3,2-d]pyrimidin-6-yl)- (9CI) (CA INDEX NAME)



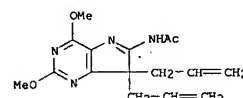
RN 186261-33-6 CAPLUS
CN Acetamide, N-acetyl-N-(2,4-dimethoxy-7,7-dipropyl-7H-pyrrolo[3,2-d]pyrimidin-6-yl)- (9CI) (CA INDEX NAME)



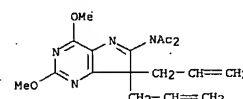
AB Reductive cyclization of 6-(1-cyanoalkyl)-5-nitropyrimidines gave 7-alkyl-5H-pyrrolo[3,2-d]pyrimidines. The presence of two alkyl substituents at the cyanomethyl group resulted in the formation of 6-amino-7,7-dialkyl-7H-pyrrolo[3,2-d]pyrimidines. By this method

L16 ANSWER 18 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:8197 CAPLUS
DOCUMENT NUMBER: 126:117954
TITLE: Reductive cyclization of 6-cyanomethyl-5-nitropyrimidines - an efficient route to 7-alkyl-5H-pyrrolo[3,2-d]pyrimidines and 6-amino-7,7-dialkyl-7H-pyrrolo[3,2-d]pyrimidines. Utilization in the synthesis of 9-deaza analogs of DHPA
AUTHOR(S): Otmar, Miroslav; Masojdkova, Milena; Holy, Antonin
CORPORATE SOURCE: Inst. Organic Chemistry, Academy Sciences, Prague, 166 10, Czech Rep.
SOURCE: Tetrahedron (1997), 53(1), 391-400
CODEN: TETRAH; ISSN: 0040-4020
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 186261-29-0P 186261-30-3P
RL: RCT (Reactant): SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrrolopyrimidines via reductive cyclization of nitropyrimidineacetonitriles)
RN 186261-29-0 CAPLUS
CN Acetamide, N-(2,4-dimethoxy-7,7-di-2-propenyl-7H-pyrrolo[3,2-d]pyrimidin-6-yl)- (9CI) (CA INDEX NAME)



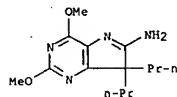
RN 186261-30-3 CAPLUS
CN Acetamide, N-acetyl-N-(2,4-dimethoxy-7,7-di-2-propenyl-7H-pyrrolo[3,2-d]pyrimidin-6-yl)- (9CI) (CA INDEX NAME)



IT 183314-15-0P 186261-23-4P 186261-32-5P
186261-33-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of pyrrolopyrimidines via reductive cyclization of nitropyrimidineacetonitriles)
RN 183314-15-0 CAPLUS

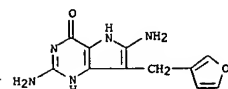
L16 ANSWER 18 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
7-(2,3-dihydroxypropyl)-2,4-dimethoxy-5H-pyrrolo[3,2-d]pyrimidine was prep'd. as an intermediate for the prep'n. of 9-deaza analogs of DHPA [i.e., (5)-9-(2,3-dihydroxypropyl)adenine] and related compds.
REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 19 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1996:600856 CAPLUS
 DOCUMENT NUMBER: 125:329228
 TITLE: Two synthetic approaches to 9-deaza analogs of 9-(2,3-dihydroxypropyl)adenine (DHPA)
 AUTHOR(S): Otmar, Miroslav; Masojdikova, Molena; Holy, Antonin
 CORPORATE SOURCE: Institute Organic Chemistry Biochemistry, Academy Sciences Czech Republic, Prague, 166-10, Czech Rep.
 SOURCE: Collection of Czechoslovak Chemical Communications (1996), 61(Spec. Issue), 549-551
 CODEN: CCCCAK; ISSN: 0010-0765
 PUBLISHER: Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 183314-15-0P
 RL: SPN (Synthetic preparation); PREP (Preparation) (two synthetic approaches to 9-deaza analogs of 9-(2,3-dihydroxypropyl)adenine (DHPA))
 RN 183314-15-0 CAPLUS
 CN 7H-Pyrrolo[3,2-d]pyrimidin-6-amine, 2,4-dimethoxy-7,7-dipropyl- (9CI) (CA INDEX NAME)

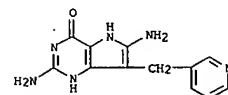


AB Two approaches to prepare 7-(2,3-dihydroxypropyl)-2,4-dimethoxy-5H-pyrrolo[3,2-d]pyrimidine are described. The first approach starts from 6-cyanomethyl-2,4-dimethoxy-5-nitropyrimidine which is substituted on its active methylene with 2,3-dihydroxypropyl group; the hydrogenation of this compound results in simultaneous reduction of the nitro group and condensed pyrrole ring-closure. The second approach to this DHPA analog consists in addition of alkaline salt of 2,4-dimethoxy-5H-pyrrolo[3,2-d]pyrimidine on (RS)-2,3-O-isopropylideneisoglyceraldehyde followed by reductive removal of the hydroxy group.

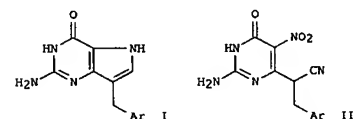
L16 ANSWER 20 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 182242-62-2 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)

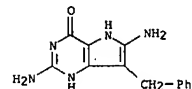


GI

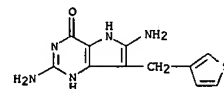


AB An efficient synthesis of 9-deazaguanines I (Ar = Ph, 3-furanyl, 3-pyridinyl) by reductive cyclodeamination of 5-nitro-6-(cyanomethyl)pyrimidine deriva. II under acidic conditions is described.

L16 ANSWER 20 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1996:519891 CAPLUS
 DOCUMENT NUMBER: 125:275781
 TITLE: Synthesis of pyrrolo[3,2-d]pyrimidines (9-deazaguanines) by reductive cyclodeamination reactions
 AUTHOR(S): Elliott, Arthur J.; Kotian, Pravin L.; Montgomery, John A.; Walsh, David A.
 CORPORATE SOURCE: BioCryst Pharm., Inc., Birmingham, AL, 35244, USA
 SOURCE: Tetrahedron Letters (1996), 37(33), 5829-5830
 CODEN: TELEAY; ISSN: 0040-4039
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 115787-58-1P 115787-59-2P 182242-61-1P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of deazaguanines by reductive cyclodeamination of nitro(cyanomethyl)pyrimidinones)
 RN 115787-58-1 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)

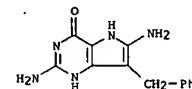


RN 115787-59-2 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)

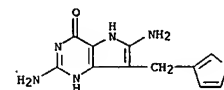


RN 182242-61-1 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(3-furanylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)

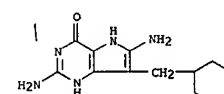
L16 ANSWER 21 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1995:749220 CAPLUS
 DOCUMENT NUMBER: 123:217709
 TITLE: Structure-based design of inhibitors of purine nucleoside phosphorylase
 AUTHOR(S): Babu, Y. Sudhakar; Ealick, Steven E.; Bugg, Charles E.; Erion, Mark D.; Guida, Wayne C.; Montgomery, John A.; Secrist, John A., III
 CORPORATE SOURCE: BioCryst Pharmaceuticals, Inc., Birmingham, AL, 35244, USA
 SOURCE: Acta Crystallographica, Section D: Biological Crystallography (1995), D51(4), 529-35
 CODEN: ABCRE6; ISSN: 0907-4449
 PUBLISHER: Munksgaard
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 115787-58-1 115787-59-2 139367-73-0
 RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process) (structure-based design of inhibitors of purine nucleoside phosphorylase)
 RN 115787-58-1 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 115787-59-2 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)



RN 139367-73-0 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(cyclohexylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)



L16 ANSWER 21 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

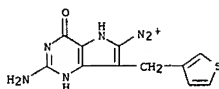
AB Inhibitors of purine nucleoside phosphorylase may have therapeutic value in the treatment of T-cell proliferative diseases such as T-cell leukemia, in the suppression of host-vs.-graft response in organ transplants, and in the treatment of T-cell-mediated autoimmune diseases. Competitive inhibitors of this enzyme have been designed using the three-dimensional structure of the enzyme determined by x-ray crystallog. This approach has resulted in the synthesis of the most potent and membrane-permeable inhibitors of purine nucleoside phosphorylase reported so far.

L16 ANSWER 22 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

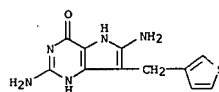
ACCESSION NUMBER: 1995:403408 CAPLUS
DOCUMENT NUMBER: 122:314562
TITLE: Process for the synthesis of 2-amino-3,5-dihydro-7-substituted-4H-pyrrolo[3,2-d]pyrimidin-4-ones via regioselective diazotization/hydrogenation of 2,6-diamino precursors
INVENTOR(S): De Jong, Randall L.; Seamans, Ronald E.; Zeller, James R.
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5386031	A	19950131	US 1993-167751	19931215 <--
CA 2176040	A1	19950622	CA 1994-2176040	19941026 <--
WO 9516689	A1	19950622	WO 1994-US12292	19941026 <--
W: AM, AU, BG, BY, CA, CZ, EE, FI, GE, HU, JP, KG, KR, KZ, LT, LV, MD, NO, NZ, PL, RO, RU, SI, SK, TJ, UA, UZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9480922	A	19950703	AU 1994-80922	19941026 <--
AU 681203	B2	19970821		
EP 734388	A1	19961002	EP 1994-932056	19941026 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
HU 74688	A2	19970128	HU 1996-1664	19941026 <--
JP 09506614	T	19970630	JP 1994-516747	19941026 <--
NO 9602542	A	19960614	NO 1996-2542	19960614 <--
PRIORITY APPL. INFO.: US 1993-167751 A 19931215 <-- WO 1994-US12292 W 19941026 <--				
OTHER SOURCE(S): CASREACT 122:314562; MARPAT 122:314562				
IT 163217-79-6P, 2-Amino-4,5-dihydro-4-oxo-7-(3-thienylmethyl)-3H-pyrrolo[3,2-d]pyrimidine-6-diazonium chloride				
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
(preparation of 2-amino-3,5-dihydro-7-substituted-4H-pyrrolo[3,2-d]pyrimidin-4-ones via regioselective diazotization/hydrogenation of 2,6-diamino precursors)				
RN 163217-79-6 CAPLUS				
CN 1H-Pyrrolo[3,2-d]pyrimidine-6-diazonium, 2-amino-4,5-dihydro-4-oxo-7-(3-thienylmethyl)-, chloride (9CI) (CA INDEX NAME)				

L16 ANSWER 22 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

● Cl⁻

IT 163217-79-5, 2,6-Diamino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidin-4-one, hydrochloride, monohydrate
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 2-amino-3,5-dihydro-7-substituted-4H-pyrrolo[3,2-d]pyrimidin-4-ones via regioselective diazotization/hydrogenation of 2,6-diamino precursors)
RN 163217-79-5 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride, monohydrate (9CI) (CA INDEX NAME)

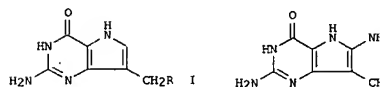


● HCl

● H₂O

GI

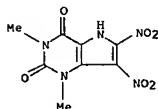
L16 ANSWER 22 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



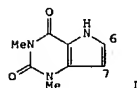
AB A process for the preparation 2-amino-3,5-dihydro-7-substituted-4H-pyrrolo[3,2-d]pyrimidin-4-ones (I) and pharmaceutically acceptable acid addition salts thereof wherein R is aryl or heteroaryl which comprises: Step (a) treating a compound II wherein R is as defined above with a diazotization reagent in a solvent to afford III wherein X is Cl, Br, I, BF₄, PF₆, or HSO₄ and R is as defined above; Step (b) treating III with hydrogen in the presence of a catalyst and a solvent to afford a compound I; Step (c) and, if desired, converting I to a corresponding pharmaceutically acceptable acid addition salt by conventional means, and if so desired, converting the corresponding pharmaceutically acceptable acid addition salt to a compound I by conventional means.

L16 ANSWER 23 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:334055 CAPLUS
 DOCUMENT NUMBER: 122:239630
 TITLE: Pyrrolopyrimidines. I. Electrophilic substitution reactions of 1,3-dimethylpyrrolo[3,2-d]pyrimidine-2,4-dione
 AUTHOR(S): Tsupak, E. B.; Tkachenko, Yu. N.; Pozharsky, A. F.
 CORPORATE SOURCE: Rostov. Gos. Univ., Rostov-on-Don., 344104, Russia
 SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1994), (9), 1242-8
 CODEN: KGSSAQ; ISSN: 0132-6244
 PUBLISHER: Latviiskii Institut Organicheskogo Sintaza
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 IT 162405-70-1P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 162405-70-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 1,3-dimethyl-6,7-dinitro- (9CI) (CA INDEX NAME)



G1

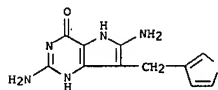


AB Electrophilic halogenation, aminomethylation, acylation, and azo coupling reactions of the title compound (I) proceed at position 7; nitration in HOAc goes primarily at position 6. In some cases the 6,7-disubstituted derivs. are obtained.

L16 ANSWER 24 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

L16 ANSWER 24 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:315430 CAPLUS
 DOCUMENT NUMBER: 120:315430
 TITLE: Evidence for a pathway independent from 2'-deoxyguanosine and reversible by IL-2 by which purine nucleoside phosphorylase inhibitors block T-cell proliferation
 AUTHOR(S): Boehncke, W. -H.; Gilbertsen, R. B.; Hemmer, J.; Sterry, W.
 CORPORATE SOURCE: Dep. Dermatol., Univ. Ulm, Germany
 SOURCE: Scandinavian Journal of Immunology (1994), 39(3), 327-32
 CODEN: SJIMAX; ISSN: 0300-9475
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 115787-68-3, CI-972
 RL: BIOL (Biological study) (T-cell proliferation suppression by)
 RN 115787-68-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

AB Patients with homozygous deficiency of purine nucleoside phosphorylase (PNP) present with a T-cell selective immune deficiency. To elucidate the potential use of PNP inhibitors in the therapy of cutaneous T-cell lymphomas (CTCLs), the authors studied the effects of CI-1000 (formerly PDI-1955-2) and CI-972 on a T-cell line MyLa established from a patient with mycosis fungoides. Both PNP inhibitors had significant, dose-dependent, inhibitory effects on the proliferation of the T-cell line. CI-1000 (ED50: 3.7 μM) was approx. six-fold more potent in blocking 3H-thymidine uptake than CI-972 (ED50: 22.5 μM). The inhibitory effect of either substance could not be increased by addition of deoxyguanosine. Flow cytometric anal. revealed that both PNP inhibitors caused a block in the S-phase of the cell cycle. The inhibitory effect on proliferation was reversible partially by addition of IL-2. When testing proliferation inhibition of both substances on an IL-2-dependent T-cell line (SeA), their inhibitory effects were reduced significantly. These data document a mechanism of action of the PNP inhibitors independent of deoxyguanosine and partially reversible by IL-2. The observations suggest the potential use of PNP inhibitors in the therapy of cutaneous T-cell lymphomas and provide evidence for a pathway independent from deoxyguanosine by which PNP inhibitors might function in T cells.

L16 ANSWER 25 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:107047 CAPLUS
 DOCUMENT NUMBER: 120:107047
 TITLE: 9-Substituted-8-halo or -8-hydroxy-9-deazaguanines as inhibitors of purine nucleoside phosphorylase
 INVENTOR(S): Josyula, Ushar; Sircar, Jagadish C.
 PATENT ASSIGNEE(S): Warner-Lambert Co., USA
 SOURCE: U.S., 7 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5236926	A	19930817	US 1992-829850	19920203 <--
US 5281708	A	19940125	US 1993-27212	19930304 <--
PRIORITY APPLN. INFO.:			US 1992-829850	A3 19920203 <--

OTHER SOURCE(S): MARPAT 120:107047

IT 152581-31-2P 152581-33-4P 152581-34-5P

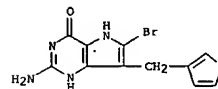
152581-35-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and purine nucleoside phosphorylase inhibitory activity of)

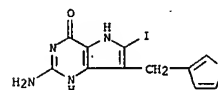
RN 152581-31-2 CAPLUS

CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2-amino-6-bromo-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)



RN 152581-33-4 CAPLUS

CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2-amino-6-iodo-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

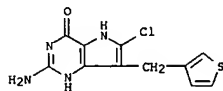


● HCl

RN 152581-34-5 CAPLUS

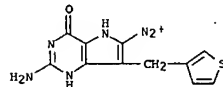
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2-amino-6-chloro-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

L16 ANSWER 25 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



● HCl

RN 152581-35-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-6-diazonium, 2-amino-4,5-dihydro-4-oxo-7-(3-thienylmethyl)-, tetrafluoroborate(1-) (9CI) (CA INDEX NAME)
 CM 1
 CRN 152581-28-7
 CMF C11 H9 N6 O S



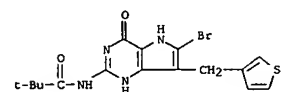
CM 2

CRN 14874-70-5
 CMF B F4
 CCI CCS

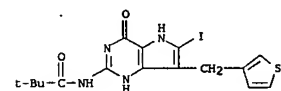


IT 152581-36-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and purine nucleoside phosphorylase inhibitory activity of)
 RN 152581-36-7 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2-amino-6-fluoro-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)

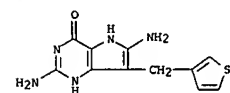
L16 ANSWER 25 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



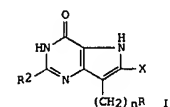
RN 152581-32-3 CAPLUS
 CN Propanamide, N-[4,5-dihydro-6-iodo-4-oxo-7-(3-thienylmethyl)-1H-pyrrolo[3,2-d]pyrimidin-2-yl]-2,2-dimethyl- (9CI) (CA INDEX NAME)



IT 115787-59-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, in preparation of purine nucleoside phosphorylase inhibitors)
 RN 115787-59-2 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)

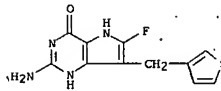


GI



AB Title compds. 1 (R = (un)substituted Ph, 3-thienyl; R2 = H, (un)substituted NH2; X = F, Cl, Br, I, OH; n = 0-4), which are inhibitors of purine nucleoside phosphorylase and are selectively cytotoxic to T lymphocytes but not to B cells, are prepared. Thus, 2,6-diamino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolopyrimidin-4-one was diazotized and reacted with HPF6, the diazonium intermediated brominated, then amidated with

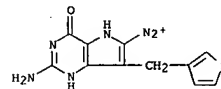
L16 ANSWER 25 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 152581-29-8P 152581-30-1P 152581-32-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, in preparation of purine nucleoside phosphorylase inhibitors and T cell cytotoxic agents)
 RN 152581-29-8 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-6-diazonium, 2-amino-4,5-dihydro-4-oxo-7-(3-thienylmethyl)-, hexafluorophosphate(1-) (9CI) (CA INDEX NAME)

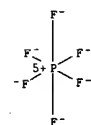
CM 1

CRN 152581-28-7
 CMF C11 H9 N6 O S



CM 2

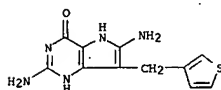
CRN 16919-18-9
 CMF F6 P
 CCI CCS



RN 152581-30-1 CAPLUS
 CN Propanamide, N-[6-bromo-4,5-dihydro-4-oxo-7-(3-thienylmethyl)-1H-pyrrolo[3,2-d]pyrimidin-2-yl]-2,2-dimethyl- (9CI) (CA INDEX NAME)

L16 ANSWER 25 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 pivalic anhydride, and the amide hydrolyzed, forming 2-amino-6-bromo-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidin-4-one, which demonstrated 50% inhibitory concn. against purine nucleoside phosphorylase of 6.9 μM.

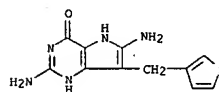
L16 ANSWER 26 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1994:286 CAPLUS
 DOCUMENT NUMBER: 120:286
 TITLE: PD 141955 and CI-972: 9-deazaguanine analog purine nucleoside phosphorylase inhibitors. II. Effects on nucleoside catabolism in human and rat blood in vitro
 AUTHOR(S): Dong, Mi K.; Gilbertsen, Richard B.
 CORPORATE SOURCE: Parke-Davis Pharm. Res., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
 SOURCE: Agents and Actions (1993), 39(Spec. Conf. Issue), C99-C101
 CODEN: AGACBH; ISSN: 0065-4299
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 115787-68-3, CI-972
 RL: BIOL (Biological study)
 (nucleoside catabolism response to, in blood of humans and lab animals)
 RN 115787-68-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

AB Patients with deficiency in purine nucleoside phosphorylase (PNP) have elevated levels of the PNP substrates inosine, guanosine, and (rarely) 2'-deoxyguanosine (GdR) in their plasma and urine. GdR is critical because it serves as a precursor of dGTP, which blocks T-cell replication, thus leading to T-cell-selective immune dysfunction. The authors adapted these findings to the study of PNP inhibitors in human and rat blood in vitro. Blood was spiked with GdR (2.5 µg/mL) and the effects of PD 141955 (9-deaza-9-(3-thienylmethyl)guanine: 2-amino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidine-4-one) and CI-972 (8-amino-9-deaza-9-(3-thienylmethyl)guanine: 2,6-diamino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidin-4-one) on GdR catabolism were determined. GdR was metabolized 89 times faster in human blood than in rat blood (half-life = 12.0 ± 1.4 s in human blood). When PD 141955 (1 µg/mL) was added to human blood before spiking, the GdR half-life increased to > 60 min. In contrast, CI-972 (1 µg/mL) extended the GdR half-life to 7.2 ± 1.7 min. Both PD 141955 and CI-972 at 1 µg/mL significantly retarded GdR catabolism from rat blood.

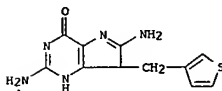
L16 ANSWER 27 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1994:285 CAPLUS
 DOCUMENT NUMBER: 120:285
 TITLE: PD 141955 and CI-972: 9-deazaguanine analog purine nucleoside phosphorylase inhibitors. I. Suppression of the human mixed lymphocyte reaction (MLR)
 AUTHOR(S): Wilburn, David J.; Dong, Mi K.; Gilbertsen, Richard B.
 CORPORATE SOURCE: Parke-Davis Pharm. Res., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
 SOURCE: Agents and Actions (1993), 39(Spec. Conf. Issue), C96-C98
 CODEN: AGACBH; ISSN: 0065-4299
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 115787-68-3, CI-972
 RL: BIOL (Biological study)
 (T-cell-selective immunosuppression by, as purine nucleoside phosphorylase inhibitor)
 RN 115787-68-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



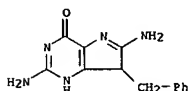
● HCl

AB Inhibitors of purine nucleoside phosphorylase (PNP) are of interest as potential T-cell-selective immunosuppressive agents and for other uses. PD 141955 (9-deaza-9-(3-thienylmethyl)guanine: 2-amino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidin-4-one) is 12- to 100-fold more potent than CI-972 (8-amino-9-deaza-9-(3-thienylmethyl)guanine: 2,6-diamino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidin-4-one) in PNP enzyme inhibition assays. In the human MLR, PD 141955 has IC50s of 2.8 and 12.8 µM in the presence and absence, resp., of 15 µM GdR (means from 10 assays), while the IC50s of CI-972 tested in parallel are > 30 µM. Concentration-dependent accumulation of dGTP occurs in PD 141955-treated MLRs under conditions in which CI-972 lacks detectable activity. Thus, consistent with its greater PNP inhibitory activity in a cell free system, PD 141955 is significantly more potent than CI-972 in its ability to suppress the MLR.

L16 ANSWER 28 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1993:662013 CAPLUS
 DOCUMENT NUMBER: 119:262013
 TITLE: Purine nucleoside phosphorylase inhibitors: Biochemical and pharmacological studies with 9-benzyl-9-deazaguanine and related compounds
 AUTHOR(S): Bennett, L. Lee, Jr.; Allan, Paula W.; Noker, Patricia E.; Rose, Lucy M.; Nivas, Shri; Montgomery, John A.; Erion, Mark D.
 CORPORATE SOURCE: Kettering-Meyer Lab., BioCryst Pharm. Inc., Birmingham, AL, USA
 SOURCE: Journal of Pharmacology and Experimental Therapeutics (1993), 266(2), 707-14
 CODEN: JPETAB; ISSN: 0022-3565
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 151561-95-4 151561-96-5
 RL: BIOL (Biological study)
 (deoxyguanosine cytotoxicity potentiation by, purine nucleoside phosphorylase inhibition and structure in relation to)
 RN 151561-95-4 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,7-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)



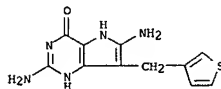
RN 151561-96-5 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,7-dihydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



AB Certain derivs. of 9-deazaguanine that contain arylmethyl, heteroaryl, or cycloalkylmethyl groups at the 9-position are potent inhibitors of purine nucleoside phosphorylase (PNP, E.C. 2.4.2.1). To determine whether these agents can produce metabolically significant inhibition of PNP in cells and in animals, the authors performed pharmacol. studies with a representative member of the series, 9-benzyl-9-deazaguanine (BzDAG). BzDAG was a potent inhibitor of PNP from calf spleen (KI = 12 nM). It was also an effective inhibitor of PNP in cells and in animals as shown by the findings that it 1) inhibited the conversion of inosine to nucleotides in L1210 cells in culture at concns. that had little effect on the utilization of hypoxanthine; 2) potentiated the toxicity of

L16 ANSWER 28 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 deoxyguanosine to CCRF-CEM cells in culture; 3) increased the pools of deoxy GTP in CCRF-CEM, Molt-3 and Molt-4 cells that had been treated with deoxyguanosine; 4) prevented the toxicity of 6-thioguanosine to HEP-2 cells in culture; 5) increased the plasma levels of endogenous inosine in rats; and 6) increased the plasma levels of 2',3'-dideoxyinosine in rats that had received BzDAG and dideoxyinosine in combination. Pharmacokinetic anal. of BzDAG in the rat showed it to be 48% orally bioavailable (at a dose of 5 mg/kg). About 95% of BzDAG was protein bound. After i.v. administration of BzDAG (5 mg/kg), more than 50% of the erythrocyte PNP was inhibited for 40 min. These results indicate that the 9-substituted 9-deazaguanines are potent orally active PNP inhibitors and are therefore of potential clin. interest as immunosuppressive and anti-inflammatory agents.

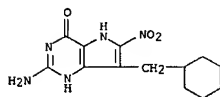
L16 ANSWER 29 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN
 ACCESSION NUMBER: 1993:551496 CAPLUS
 DOCUMENT NUMBER: 119:151496
 TITLE: Activities of two 9-deazaguanine analog inhibitors of purine nucleoside phosphorylase, CI-972 and PD 141944, in vitro and in vivo
 AUTHOR(S): Gilbertsen, R. B.; Dong, M. K.; Josyula, U.; Sircar, J. C.; Wilburn, D. J.; Conroy, M. C.
 CORPORATE SOURCE: Dep. Immunopathol., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
 SOURCE: Annals of the New York Academy of Sciences (1993), 685(Immunomodulating Drugs), 248-51
 CODEN: ANYAA9; ISSN: 0077-8923
 DOCUMENT TYPE: Journal: General Review
 LANGUAGE: English
 IT 115787-68-3, CI-972
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (immunosuppressant activity of)
 RN 115787-68-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

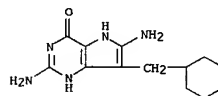
AB A review, with 8 refs., of the inhibitory actions of CI-972 and PD 141955 on human B and T cell lymphoblastoid cell line [3H]TdR uptake and dGTP accumulation.

L16 ANSWER 30 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2-amino-7-(cyclohexylmethyl)-1,5-dihydro-6-nitro- (9CI) (CA INDEX NAME)

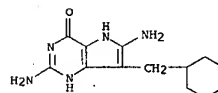


AB Alicyclic and heteroalicyclic derivs. of 9-deazaguanine (2-amino-1,5-dihydro-4H-pyrrolo[3,2-d]pyrimidin-4-one) are, with one exception, potent inhibitors of purine nucleoside phosphorylase (I) equaling the corresponding 9-arylmethyl derivs. previously investigated. The mode of binding of these compds. to I was determined by x-ray crystallog.

L16 ANSWER 30 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN
 ACCESSION NUMBER: 1993:472420 CAPLUS
 DOCUMENT NUMBER: 119:72420
 TITLE: Structure-based design of inhibitors of purine nucleoside phosphorylase. 2. 9-Allicyclic and 9-heteroalicyclic derivatives of 9-deazaguanine
 AUTHOR(S): Secrist, John A., III; Niwas, Shri; Rose, Jerry D.; Babu, Y. Sudhakar; Bugg, Charles E.; Erion, Mark D.; Guida, Wayne C.; Ealick, Steven E.; Montgomery, John A.
 CORPORATE SOURCE: BioCryst Pharm., Inc., Birmingham, AL, 35244, USA
 SOURCE: Journal of Medicinal Chemistry (1993), 36(13), 1847-54
 CODEN: JMCMAR; ISSN: 0022-2623
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 119:72420
 IT 139367-73-ODP, purine nucleoside phosphorylase complex
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and crystal structure of)
 RN 139367-73-0 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(cyclohexylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)

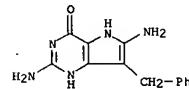


IT 139367-73-OP
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and purine nucleoside phosphorylase inhibitory activity of)
 RN 139367-73-0 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(cyclohexylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)

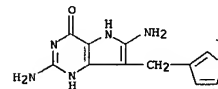


IT 148020-45-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and reduction of)
 RN 148020-45-5 CAPLUS

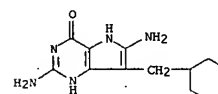
L16 ANSWER 31 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN
 ACCESSION NUMBER: 1993:419923 CAPLUS
 DOCUMENT NUMBER: 119:19923
 TITLE: Application of crystallographic and modeling methods in the design of purine nucleoside phosphorylase inhibitors. [Erratum to document cited in CA116(13):120391p]
 AUTHOR(S): Ealick, Steven E.; Babu, Y. Sudhakar; Bugg, Charles E.; Erion, Mark D.; Guida, Wayne C.; Montgomery, John A.; Secrist, John A., III
 CORPORATE SOURCE: Univ. Alabama, Birmingham, AL, 35294, USA
 SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1992), 89(20), 9974
 CODEN: PNASA6; ISSN: 0027-8424
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 115787-58-1 115787-59-2 139367-73-0
 RL: BIOL (Biological study) (purine nucleoside phosphorylase inhibition by, structure in relation to (Erratum))
 RN 115787-58-1 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 115787-59-2 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)



RN 139367-73-0 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(cyclohexylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)



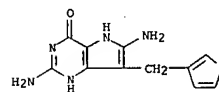
L16 ANSWER 31 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

AB An error in the footnote on p. 11540 giving incorrect Protein Data Bank reference codes has been corrected. The error was not reflected in the abstract or the index entries.

L16 ANSWER 32 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1993:94336 CAPLUS
DOCUMENT NUMBER: 118:94336
TITLE: Treating infectious encephalitis with neuronal amino acid receptor-blocking agents
INVENTOR(S): Bernton, Edward W.; Tortella, Frank C.
PATENT ASSIGNEE(S): United States Dept. of the Army, USA
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9221340	A1	19921210	WO 1992-US4454	19920527 <--
W: AT, AU, BB, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MW, NL, NO, PL, RO, RU, SD, SE				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG				
AU 9221597	A	19930108	AU 1992-21597	19920527 <--
PRIORITY APPL. INFO.:			US 1991-710602	A 19910605 <--
			WO 1992-US4454	A 19920527 <--
IT 115787-68-3, CI-972				
RL: BIOL (Biological study)				
(infectious and parainfectious encephalitis treatment by)				
RN 115787-68-3 CAPLUS				
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)				



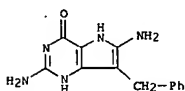
● HCl

AB Infectious and parainfectious encephalitis and encephalopathy from diverse causes, are treated with agents which block the neuronal excitatory amino acid receptor, specifically the N-methylaspartate binding receptor, or with other drugs which block amino acid excitotoxicity by inhibiting release of endogenous excitatory amino acids. The drugs of choice are MK-801, dextromethorphan, carbapentane, 7-chlorokynurenic acid, caramiphen, etc. The in-vitro degradation and lysis of fetal rat neurons by Mycoplasma fermentans was inhibited by pretreatment with MK-801.

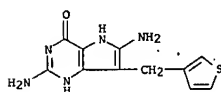
L16 ANSWER 33 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1993:81339 CAPLUS
DOCUMENT NUMBER: 118:81339
TITLE: Preparation of (arylmethyl)deazaguanines as immunomodulators
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: Austrian, 14 pp.
CODEN: AUXXAK
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
AT 395156	B	19921012	AT 1987-2655	19871008 <--
AT 8702655	A	19920215		
PRIORITY APPL. INFO.:			AT 1987-2655	19871008 <--
OTHER SOURCE(S):				
IT 115787-58-1P 115787-59-2P 115787-60-5P				
115787-61-6P 115787-68-3P 115812-51-6P				
145671-78-9P				
RL: SPN (Synthetic preparation); PREP (Preparation)				
(preparation of, as immunomodulator)				
RN 115787-58-1 CAPLUS				
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)				

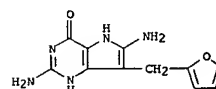


RN 115787-59-2 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)

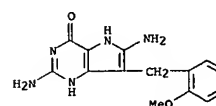


RN 115787-60-5 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(2-furanylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)

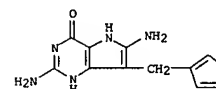
L16 ANSWER 33 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 115787-61-6 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-[(2-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)

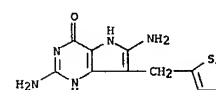


RN 115787-68-3 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



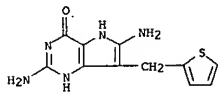
● HCl

RN 115812-51-6 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(2-thienylmethyl)- (9CI) (CA INDEX NAME)



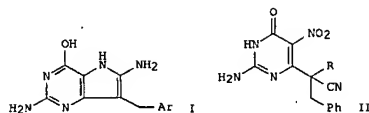
RN 145671-78-9 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(2-thienylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)

L16 ANSWER 33 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



●x HCl

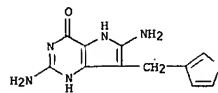
GI



AB Title compds. [I: Ar = (MeO-substituted) Ph, α - or 3-thienyl, 2-furyl], were prepared. Thus, PhCH₂CH(CN)CO₂Et was stirred 15 min with NaH in DMF; 2-amino-6-chloro-5-nitro-4-(3H)-pyrimidinone in DMF was added and the mixture was kept 24 h at 65° to give 62% intermediate II (R = CO₂Et). This was stirred 1 h in 1 N NaOH to give 36% II (R = H). The latter was heated with Na₂S₂O₄ in 1 N NaOH at 90° followed by treatment with HCl to give 23% I (Ar = Ph). I inhibited purine nucleoside phosphorylase with IC₅₀ = 0.9-3.18 μ M. I showed cytotoxicity to T-cells but not B-cells in the presence of 2'-deoxyguanosine.

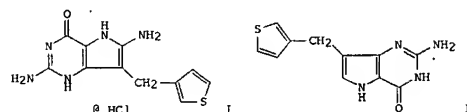
L16 ANSWER 34 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
The resp. IC₅₀ values for inhibition of MOLT-4 cell growth in the absence and presence of 10 mM 2'-deoxyguanosine (GdR) were >50 and 5.06 μ M for CI-972 and 15.4 and 0.061 μ M for PD 141955. PD 141955 induced accumulation of dGTP in GdR-treated MOLT-4 and CEM cells at log-lower concns. than were required of CI-972, and the magnitude of dGTP accumulation in PD 141955-treated T cell cultures was markedly greater (e.g. 366 vs 100 μ mol/106 CEM cells at 10 mM). PD 141955 administered orally produced a dose-dependent elevation of plasma inosine and guanosine in rats over a broad concn. range. Mean plasma inosine concns. following a 150 mg/kg p.o. dose peaked at 6.21 and 13.2 μ M in CI-972 and PD 141955-treated rats, resp. Low levels of inosine were detectable at 50 μ g/kg following oral administration of PD 141955.

L16 ANSWER 34 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1992:625928 CAPLUS
DOCUMENT NUMBER: 117:225928
TITLE: Comparative in vitro and in vivo activities of two 9-deazaguanine analog inhibitors of purine nucleoside phosphorylase, CI-972 and PD 141955
AUTHOR(S): Gilbertsen, Richard B.; Jonyala, Usha; Sircar, Jagadish C.; Dong, Mi K.; Wu, Wen Shen; Conroy, Mary Carol
CORPORATE SOURCE: Parke-Davis Pharm. Res., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
SOURCE: Biochemical Pharmacology (1992), 44(5), 996-9
CODEN: BCPAC6; ISSN: 0006-2952
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 115787-68-3, CI972
RL: BIOL (Biological study)
(purine nucleoside phosphorylase inhibition by, T-cell suppression in relation to)
RN 115787-68-3 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



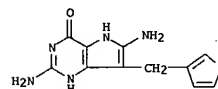
● HCl

GI



AB An in-parallel comparison is presented of the in vitro and in vivo properties, of two 9-deazaguanine analog inhibitors of purine nucleoside phosphorylase (PNP), CI-972 (I) and PD 141955 (II) (published Ki values of 0.83-8.0 and 0.08 μ M, resp.). Despite structural similarities, PD 141955 was considerably more potent and active in all systems studied.

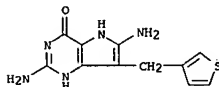
L16 ANSWER 35 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1992:400488 CAPLUS
DOCUMENT NUMBER: 117:488
TITLE: Biochemical and pharmacological properties of CI-972, a novel 9-deazaguanine analog purine nucleoside phosphorylase (PNP) inhibitor
AUTHOR(S): Gilbertsen, Richard B.; Dong, Mi K.; Wilburn, David J.; Kossarek, Lynn M.; Sircar, Jagadish C.; Kostlan, Catherine R.; Conroy, Mary Carol
CORPORATE SOURCE: Parke-Davis Pharm. Res. Div., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
SOURCE: Advances in Experimental Medicine and Biology (1991), 309A(Purine Pyrimidine Metab. Man 7, Pt. A), 41-4
CODEN: AEMBAP; ISSN: 0065-2598
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 115787-68-3, CI-972
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmacol. of, as immunosuppressant)
RN 115787-68-3 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

AB CI-972 (2,6-diamino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidin-4-one monohydrochloride, monohydrate) is a novel inhibitor of PNP (Ki = 0.83 μ M) under development as a T cell-selective immunosuppressive agent. CI-972 inhibited proliferation (3H-thymidine uptake) of human MOLT-4 (T cell) but not MGL-8 (B cell) lymphoblasts with resp. IC₅₀s of 3.0 and >50 μ M when tested with 10 μ M 2'-deoxyguanosine. Without addition of exogenous 2'-deoxyguanosine, CI-972 was not inhibitory to any human T or B lymphoblastoid cell line tested. 2'-Deoxycytidine (10 μ M), but not hypoxanthine or adenine, restored MOLT-4 cell growth. Inhibition of 3H-thymidine uptake in MOLT-4 cells correlated with accumulation of dGTP, while alterations in guanine nucleotides were not observed. 2'-Deoxycytidine (10 μ M) also blocked dGTP accumulation in MOLT-4 cells. CI-972 showed activity in vivo over a broad dose range: At 5-150 mg/kg p.o., CI-972 produced dose-dependent elevation of plasma inosine one h after administration to rats (mean maximum of 2.62 vs. 0.06 μ M in controls). Guanosine was also elevated in a concentration-dependent manner, although the effect was not as impressive. Plasma nucleosides remained elevated for up to four h following a single oral dose of CI-972.

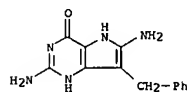
L16 ANSWER 36 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:40065 CAPLUS
 DOCUMENT NUMBER: 117:65
 TITLE: Pyrrolo[3,2-d]pyrimidines, a new class of purine nucleoside phosphorylase (PNP) inhibitors as potential T-cell selective immunosuppressive agents
 AUTHOR(S): Sircar, J. C.; Kostlan, C. R.; Gilbertsen, R. B.; Dong, M. K.; Cetenko, W. A.
 CORPORATE SOURCE: Parke-Davis Pharm. Res. Div., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
 SOURCE: Advances in Experimental Medicine and Biology (1991), 309A(Purine Pyrimidine Metab. Man 7, Pt. A), 45-8
 CODEN: AEMDAP; ISSN: 0065-2598
 DOCUMENT TYPE: Journal: General Review
 LANGUAGE: English
 IT 115787-68-3
 RL: BIOL (Biological study)
 (as immunosuppressant, T-lymphocyte suppression in, purine nucleoside phosphorylase inhibition in relation to, in humans and laboratory animals)
 RN 115787-68-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



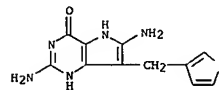
● HCl

AB A review with 10 refs. emphasizing the activity of CI-972.

L16 ANSWER 37 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:227846 CAPLUS
 DOCUMENT NUMBER: 116:227846
 TITLE: Inhibitors of human purine nucleoside phosphorylase. Synthesis of pyrrolo[3,2-d]pyrimidines, a new class of purine nucleoside phosphorylase inhibitors as potentially T-cell selective immunosuppressive agents. Description of 2,6-diamino-3,5-dihydro-7-(3-thienylmethyl)-4H-pyrrolo[3,2-d]pyrimidin-4-one (CI-972)
 AUTHOR(S): Sircar, Jagadish C.; Kostlan, Catherine R.; Gilbertsen, Richard B.; Bennett, Mary K.; Dong, Mi K.; Cetenko, W. J.
 CORPORATE SOURCE: Parke-Davis Pharm. Res. Div., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
 SOURCE: Journal of Medicinal Chemistry (1992), 35(9), 1605-9
 CODEN: JMCMAR; ISSN: 0022-2623
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 115787-58-1P 115787-59-2P 115787-60-5P
 115787-61-6P 115812-51-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and human purine nucleoside phosphorylase inhibition by, as T-cell selective immunosuppressant)
 RN 115787-58-1 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)

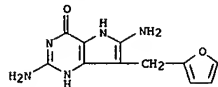


RN 115787-59-2 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)

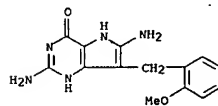


RN 115787-60-5 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(2-furanylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)

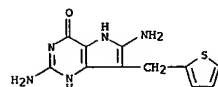
L16 ANSWER 37 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



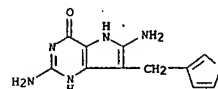
RN 115787-61-6 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-[(2-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)



RN 115812-51-6 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(2-thienylmethyl)- (9CI) (CA INDEX NAME)



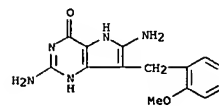
IT 115787-68-3P 115787-71-8P 140676-85-3P
 140676-86-4P 140676-87-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 115787-68-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

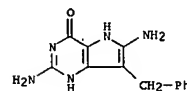
RN 115787-71-8 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-[(2-methoxyphenyl)methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L16 ANSWER 37 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



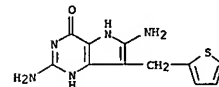
● HCl

RN 140676-85-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

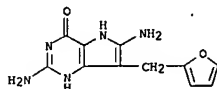
RN 140676-86-4 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(2-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

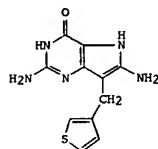
RN 140676-87-5 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(2-furanylmethyl)-1,5-dihydro-, monohydrochloride (9CI) (CA INDEX NAME)

L16 ANSWER 37 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



● HCl

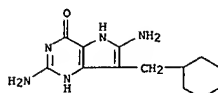
GI



I

AB Purine nucleoside phosphorylase (PNP) is a purine-metabolizing enzyme in the purine cascade and has been a target for drug design for sometime. A series of potent human PNP inhibitors, pyrrolo[3,2-d]pyrimidines (9-deazaguanines), has been synthesized and evaluated in the enzyme assay and in the cell line assay using MOLT-4 (T-cell) and MGL-8 (B-cell) lymphoblasts for selectivity. One of the compounds, CI-972 (I), was found to be moderately potent, competitive, and reversible inhibitor of PNP with $K_i = 0.83 \mu\text{M}$. It was also found to be selectively cytotoxic to MOLT-4 lymphoblasts ($\text{IC}_{50} = 3.0 \mu\text{M}$) but not to MGL-8 lymphoblasts and was evaluated further.

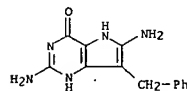
L16 ANSWER 38 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



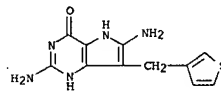
AB Competitive inhibitors of the salvage pathway enzyme purine-nucleoside phosphorylase (purine-nucleoside:orthophosphate ribosyltransferase, EC 2.4.2.1) were designed by using the 3-dimensional structure of the enzyme as determined by X-ray crystallog. The process was an iterative one that utilized interactive computer graphics, Monte Carlo-based conformational searching, energy minimization, and X-ray crystallog. The proposed compounds were synthesized and tested by an in vitro assay. Among the compounds designed and synthesized are the most potent competitive inhibitors of purine nucleoside phosphorylase thus far reported.

L16 ANSWER 38 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1992:120391 CAPLUS
DOCUMENT NUMBER: 116:120391
TITLE: Application of crystallographic and modeling methods in the design of purine nucleoside phosphorylase inhibitors
AUTHOR(S): Ealick, Steven E.; Babu, Y. Sudhakar; Bugg, Charles E.; Erion, Mark D.; Guida, Wayne C.; Montgomery, John A.; Secrist, John A., III
CORPORATE SOURCE: Univ. Alabama, Birmingham, AL, 35294, USA
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1991), 88(24), 11540-4
CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 115787-58-1 115787-59-2 139367-73-0
RL: BIOL (Biological study)
(purine nucleoside phosphorylase inhibition by, structure in relation to)
RN 115787-58-1 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



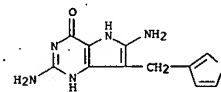
RN 115787-59-2 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)



RN 139367-73-0 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(cyclohexylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)

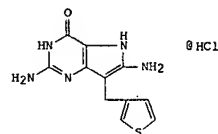
L16 ANSWER 39 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:574277 CAPLUS
DOCUMENT NUMBER: 115:174277
TITLE: Selective in vitro inhibition of human molt-4 T lymphoblasts by the novel purine nucleoside phosphorylase inhibitor, CI-972
AUTHOR(S): Gilbertsen, Richard B.; Dong, Mi K.; Kossarek, Lynn M.; Sircar, Jagadish C.; Kostlan, Catherine R.; Conroy, Mary Carol
CORPORATE SOURCE: Parke-Davis Pharm. Res. Div., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
SOURCE: Biochemical and Biophysical Research Communications (1991), 178(3), 1351-8
CODEN: BBRCAS; ISSN: 0006-291X
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 115787-68-3, CI 972
RL: BIOL (Biological study)
(MOLT-4 T-lymphoblasts of human inhibition by)
RN 115787-68-3 CAPLUS
CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

GI



● HCl

I

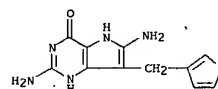
AB CI-972 (I) is a competitive inhibitor of PNPase (E.C. 2.4.2.1, $K_i = 0.83 \mu\text{M}$) entering clin. trials as a T cell-selective immunosuppressive agent. Neither I ($\leq 50 \mu\text{M}$) nor dGuo ($\leq 10 \mu\text{M}$) inhibited [^3H]Thd uptake by human MOLT-4 (T cell) or MGL-8 (B cell) lymphoblasts, but in the presence of $10 \mu\text{M}$ dGuo, the IC_{50} for I decreased to $3.0 \mu\text{M}$ for MOLT-4 but remained at $>50 \mu\text{M}$ for MGL-8. Inhibition of MOLT-4 growth was associated with an increase in dGTP that was dependent on

L16 ANSWER 39 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 concn. and inhibited by 2'-deoxycytidine. Growth could not be restored by hypoxanthine or adenine. No alterations in GTP pools were noted in MOLT-4, and neither GTP nor dGTP were altered in MGL-8.

L16 ANSWER 40 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1991:115067 CAPLUS
 DOCUMENT NUMBER: 114:115067
 TITLE: Combination therapy involving 2',3'-dideoxypurine nucleoside and an inhibitor of purine nucleoside phosphorylase for the treatment of retroviral disease
 INVENTOR(S): Erion, Mark D.
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 374096	A1	19900620	EP 1989-810920	19891205 <--
EP 374096	B1	19921202		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 82855	T	19921215	AT 1989-810920	19891205 <--
IL 92587	A	19940412	IL 1989-92587	19891207 <--
AU 8946074	A	19900621	AU 1989-46074	19891208 <--
AU 628113	B2	19920910		
CA 2005205	A1	19900614	CA 1989-2005205	19891212 <--
DK 8906305	A	19900615	DK 1989-6305	19891213 <--
JP 02204414	A	19900814	JP 1989-321624	19891213 <--
ZA 8909510	A	19900829	ZA 1989-9510	19891213 <--
PRIORITY APPLN. INFO.:				
			US 1988-284153	A 19881214 <--
			US 1989-315354	A 19890224 <--
			EP 1989-810920	A 19891205 <--

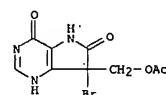
OTHER SOURCE(S): MARPAT 114:115067
 IT 115787-59-2
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (antiviral activity of dideoxypurine nucleosides enhancement by)
 RN 115787-59-2 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)



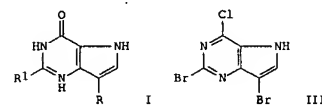
AB A combination therapy of 2',3'-dideoxypurine nucleosides with purine nucleoside phosphorylase inhibitors is useful in the treatment of retroviral diseases, such as AIDS. The purine nucleoside phosphorylase inhibitors delay the biodegradn. and enhance the activity of the 2',3'-dideoxypurine nucleosides. A composition comprised 50 g 2',3'-dideoxyinosine and 1500 g 8-amino-9-(2-thienylmethyl)guanine. Enhancement of the activity of former by the latter was demonstrated on Hg

L16 ANSWER 40 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 cells infected with human immunodeficiency virus.

L16 ANSWER 41 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1989:75141 CAPLUS
 DOCUMENT NUMBER: 110:75141
 TITLE: A novel procedure for preparing pyrrolo[3,2-d]pyrimidine (9-deazapurine) and its 4-oxo-3,4-dihydro derivative (9-deazahypoxanthine)
 AUTHOR(S): Ektova, L. V.; Preobrazhenskaya, M. N.
 CORPORATE SOURCE: VONTs, Moscow, USSR
 SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1988), 22(7), 860-3
 CODEN: KHFZAN; ISSN: 0023-1134
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 110:75141
 IT 118721-31-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 118721-31-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-4,6-dione, 7-[(acetyloxy)methyl]-7-bromo-5,7-dihydro- (9CI) (CA INDEX NAME)



GI



AB Bromination of pyrrolopyrimidinecarboxaldehyde I (R = CHO, R1 = H) gave 43.5% dibromo derivative I (R = R1 = Br) (II), which was hydrogenated over Pd/C12 to give 78% 9-deazahypoxanthine I (R = R1 = H). Chlorination of II by POCl3 gave 70% 4-chloro derivative III, which was hydrogenated as above to give 79% 9-deazapurine.

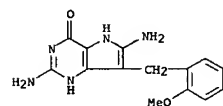
10524995.trn

L16 ANSWER 42 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN
 ACCESSION NUMBER: 1988:493048 CAPLUS
 DOCUMENT NUMBER: 109:93048
 TITLE: Preparation and testing of aralkyldeazaguanines as immunosuppressants
 INVENTOR(S): Kostlan, Catherine Rose; Sircar, Jagadish Chandra
 PATENT ASSIGNEE(S): Warner-Lambert Co., USA
 SOURCE: Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

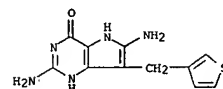
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 260491	A1	19880323	EP 1987-112339	19870825 <--
EP 260491	B1	19910911		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CA 1293727	C	19911231	CA 1987-543431	19870730 <--
ZA 8705823	A	19890329	ZA 1987-5823	19870806 <--
DK 8704402	A	19880227	DK 1987-4402	19870824 <--
DK 169705	B1	19950116		
FI 8703648	A	19880227	FI 1987-3648	19870824 <--
FI 85856	B	19920228		
FI 85856	C	19920610		
NO 8703584	A	19880229	NO 1987-3584	19870825 <--
NO 166485	B	19910422		
NO 166485	C	19910731		
AU 8777416	A	19880303	AU 1987-77416	19870825 <--
AU 619724	B2	19920206		
JP 63088185	A	19880419	JP 1987-209423	19870825 <--
AT 67203	T	19910915	AT 1987-112339	19870825 <--
ES 2038635	T3	19930801	ES 1987-112339	19870825 <--
US 4923872	A	19900508	US 1989-336585	19890410 <--
US 4988702	A	19910129	US 1990-478610	19900212 <--
US 5061707	A	19911029	US 1990-606640	19910131 <--
US 5101030	A	19920331	US 1990-606214	19910131 <--
US 5102879	A	19920407	US 1990-606677	19910131 <--
CA 1320203	C2	19930713	CA 1991-616019	19910307 <--
AU 9175960	A	19910718	AU 1991-75960	19910424 <--
AU 630805	B2	19921105		
JP 08311040	A	19961126	JP 1996-142606	19960605 <--
JP 2650644	B2	19970903		
PRIORITY APPLM. INFO.:				
		US 1986-900486	A 19860826 <--	
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		US 1990-478610	A3 19900212 <--	

OTHER SOURCE(S): CASREACT 109:93048; MARPAT 109:93048
 IT 115787-58-1P 115787-59-2P 115787-60-5P
 115787-61-6P 115787-68-3P 115787-71-8P
 115812-51-6P

L16 ANSWER 42 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

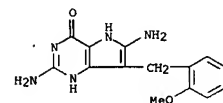


RN 115787-68-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



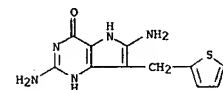
● HCl

RN 115787-71-8 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-[(2-methoxyphenyl)methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

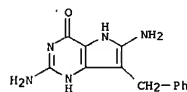
RN 115812-51-6 CAPLUS
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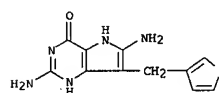
IT 115787-68-3P

Page 129

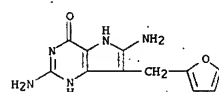
L16 ANSWER 42 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of, as immunosuppressant)
 RN 115787-58-1 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 115787-59-2 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)- (9CI) (CA INDEX NAME)



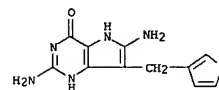
RN 115787-60-5 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-7-(2-furanylmethyl)-1,5-dihydro- (9CI) (CA INDEX NAME)



RN 115787-61-6 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-[(2-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)

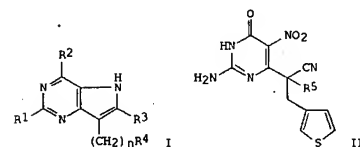
L16 ANSWER 42 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as intermediate for immunosuppressant)
 RN 115787-68-3 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 2,6-diamino-1,5-dihydro-7-(3-thienylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

GI



AB The title compds. [I; R1, R3 = H, NH2; R2 = OH, SH; R4 = (substituted) Ph, 2- or 3-thienyl, 2- or 3-furanyl; n = 0-4] were prepared for treatment of psoriasis, gout, autoimmune diseases, or transplant rejection.
 2-Amino-6-chloro-5-nitro-4(3H)pyrimidinone in DMF was added to 2-cyano-3-(3-thienyl)propionate and NaH in DMF and the mixture was stirred at 70° overnight to give 52% thienylethylpyrimidinone II (R5 = CO2Me). The latter was saponified with aqueous NaOH and decarboxylated in HCl to give II (R5 = H), which was heated in aqueous NaOH containing Na2S2O4 to give I (R1 = R3 = NH2, R2 = OH, R4 = 3-thienyl, n = 1). The latter had an IC50 of 0.9 μM for inhibition of purine nucleoside phosphorylase.

L16 ANSWER 43 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1988:400242 CAPLUS

DOCUMENT NUMBER: 109:242

TITLE: Amine derivatives of pyrrolo[3,2-d]pyrimidines

AUTHOR(S): Modnikova, G. A.; Titkova, R. M.; Glushkov, R. G.;

Sokolova, A. S.; Sillin, V. A.; Chernov, V. A.

CORPORATE SOURCE: VNIKhEI im. Ordzhonikidze, Moscow, USSR

SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1988),

22 (2), 185-91

CODEN: KHFZAN; ISSN: 0023-1134

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 109:242

IT 114685-16-4P 114685-17-5P 114685-18-6P

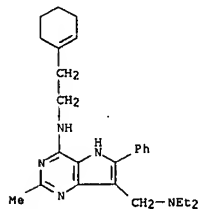
114685-19-7P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and toxicity and antitumor and antimicrobial activity of)

RN 114685-16-4 CAPLUS

CN 5H-Pyrrolo[3,2-d]pyrimidine-7-methanamine, 4-[[2-(1-cyclohexen-1-yl)ethyl]amino]-N,N-diethyl-2-methyl-6-phenyl- (9CI) (CA INDEX NAME)

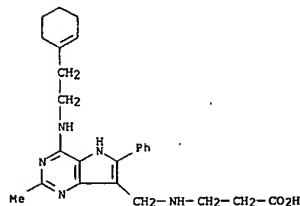


RN 114685-17-5 CAPLUS

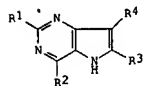
CN 5H-Pyrrolo[3,2-d]pyrimidine-7-methanamine, N-[[2-(1-cyclohexen-1-yl)ethyl]-4-[[2-(1-cyclohexen-1-yl)ethyl]amino]-2-methyl-6-phenyl- (9CI) (CA INDEX NAME)

L16 ANSWER 43 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

(Continued)



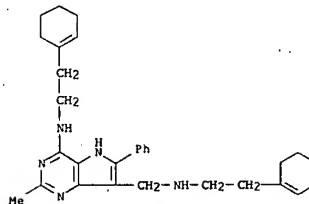
GI



AB A series of 28 derivs. (I; R1 = Me, Cl, amino; R2 = Cl, amino; R3 = H, Ph; R4 = H, aminomethyl) was prepared by reactions of the chloro derivs. of pyrrolo[3,2-d]pyrimidines with an appropriate amine. Toxicity and antitumor, antibacterial, and antifungal activities of I were tested in mice, rats, and in vitro in cultures of *Staphylococcus aureus*, *Escherichia coli*, *Microsporium canis*, and *Candida albicans*. Most I had some antitumor activity against implanted sarcomas, melanomas, and carcinomas. No I was active against *E. coli*, *M. canis*, or *C. albicans*. Toxicity of I varied with LD50 = 50-500 mg/kg.

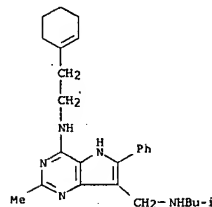
L16 ANSWER 43 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

(Continued)



RN 114685-18-6 CAPLUS

CN 5H-Pyrrolo[3,2-d]pyrimidine-7-methanamine, 4-[[2-(1-cyclohexen-1-yl)ethyl]amino]-2-methyl-N-(2-methylpropyl)-6-phenyl- (9CI) (CA INDEX NAME)



RN 114685-19-7 CAPLUS

CN B-Alanine, N-[[4-[[2-(1-cyclohexen-1-yl)ethyl]amino]-2-methyl-6-phenyl-5H-pyrrolo[3,2-d]pyrimidin-7-yl]methyl]- (9CI) (CA INDEX NAME)

L16 ANSWER 44 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1987:636645 CAPLUS

DOCUMENT NUMBER: 107:236645

TITLE: 1,3-Dipolar cycloaddition reactions of thiazolo[5,4-d]pyrimidine 1-oxides with acetylenic esters involving new ring transformations of the thiazole nucleus

AUTHOR(S): Kanazawa, Hashime; Ichiba, Misuzu; Tamura, Zengo;

Senga, Keitaro; Kawai, Kenichi; Otomatsu, Hirotsuka

CORPORATE SOURCE: Sch. Med., Keio Univ., Tokyo, 160, Japan

SOURCE: Chemical & Pharmaceutical Bulletin (1987),

35 (1), 35-45

CODEN: CPBTAL; ISSN: 0009-2363

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 107:236645

IT 71411-49-9P 71411-50-2P 111611-49-5P

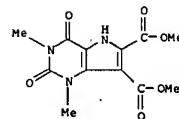
111624-67-0P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

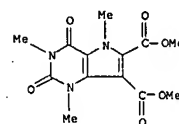
RN 71411-49-9 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-6,7-dicarboxylic acid, 2,3,4,5-tetrahydro-1,3,5-trimethyl-2,4-dioxo-, dimethyl ester (9CI) (CA INDEX NAME)



RN 71411-50-2 CAPLUS

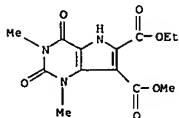
CN 1H-Pyrrolo[3,2-d]pyrimidine-6,7-dicarboxylic acid, 2,3,4,5-tetrahydro-1,3,5-trimethyl-2,4-dioxo-, dimethyl ester (9CI) (CA INDEX NAME)



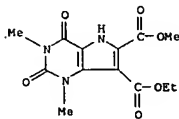
RN 111611-49-5 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-6,7-dicarboxylic acid, 2,3,4,5-tetrahydro-1,3,5-trimethyl-2,4-dioxo-, 6-ethyl 7-methyl ester (9CI) (CA INDEX NAME)

L16 ANSWER 44 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 111624-67-0 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-6,7-dicarboxylic acid, 2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, 6-methyl 7-ethyl ester (9CI) (CA INDEX NAME)



AB The reaction of 2-(methoxycarbonyl)-4,6-dimethylthiazolo[5,4-d]pyrimidine-5,7(4H,6H)-dione 1-oxide (I) with di-Me acetylenedicarboxylate resulted in a new ring transformation of the thiazole nucleus to give 5-[2-methoxyl-1,2-bis(methoxycarbonyl)vinyl]imino-1,3-dimethyl-6-thiobarbituric acid, 6,7-bis(methoxycarbonyl)-1,3-dimethylpyrimido[4,5-b][1,4]thiazine-2,4-(1H,3H)-dione, 6,7-bis(methoxycarbonyl)-1,3-dimethylpyrrolo[3,2-d]pyrimidine-2,4(1H,3H)-dione, and anhydro-2-[1-methoxyl-1-(O)sodium methoxycarbonyl]methyl-4,6-dimethylthiazolo[5,4-d]pyrimidine-5,7(4H,6H)-dione hydroxide. Analogously, the reaction of I with Et phenylpropionate gave 5-(2-benzoyl-2-(ethoxycarbonyl)-1-(methoxycarbonyl)vinyl)imino-1,3-dimethyl-6-thiobarbituric acid, 5-benzoyl-7-(ethoxycarbonyl)-6-(methoxycarbonyl)-1,3-dimethylpyrimido[4,5-b][1,4]thiazine-2,4(1H,3H)-dione, and 7-(ethoxycarbonyl)-6-(methoxycarbonyl)-1,3-dimethylpyrrolo[3,2-d]pyrimidine-2,4(1H,3H)-dione. The structures of these products were supported by their spectral [IR, mass spectra, UV, 1H-NMR or 13C-NMR] data or by single-crystal x-ray diffraction anal. as well as by chemical transformations. The ring transformation of the thiazole nucleus can be best explained by taking into account the initial involvement of a 1,3-dipolar cycloaddn. reaction.

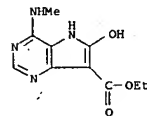
L16 ANSWER 45 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1985:504907 CAPLUS
 DOCUMENT NUMBER: 103:104907
 TITLE: Purines, pyrimidines, and imidazoles. Part 61. Reaction of 6-alkylamino-4-chloro-5-nitropyrimidines with diethyl malonate, ethyl cyanoacetate, and ethyl acetoacetate and some derived pyrrolo[3,2-d]pyrimidines related to the cytokinins

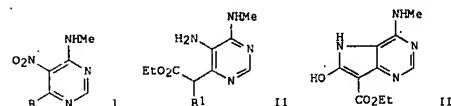
AUTHOR(S): Gregson, Stephen; Shaw, Gordon
 CORPORATE SOURCE: Sch. Chem., Univ. Bradford, Bradford, BD7 1DP, UK
 SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1985), (1), 187-90

CODEN: JCPRB4; ISSN: 0300-922X
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 103:104907

DOCUMENT TYPE: Journal
 IT 97760-08-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and decarboxylation of)
 RN 97760-08-2 CAPLUS
 CN 5H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-hydroxy-4-(methylamino)-, ethyl ester (9CI) (CA INDEX NAME)



GI



AB Reaction of chloropyrimidine I (R = Cl) with R1CH2CO2Et (R1 = CO2Et, CN, COMe) in Me2CO containing aqueous NaOH at room temperature for 30 min gave pyrimidines I (R = CHR1CO2Et, R1 as before) which on Pd/C-catalyzed hydrogenation in EtOH gave aminopyrimidines II (R1 as above). Cyclization of these compds. under various conditions gave pyrrolopyrimidine derivs. E.g., treatment of II (R1 = CO2Et) with Na2CO3 in H2O at approx. 100° gave III.

L16 ANSWER 45 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

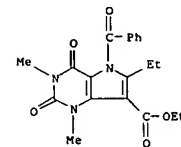
L16 ANSWER 46 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1985:437449 CAPLUS
 DOCUMENT NUMBER: 103:37449
 TITLE: Further studies on the ring transformation of pyrimido[5,4-e]-as-triazine 4-oxides to pyrrolo[3,2-d]pyrimidines involving 1,3-dipolar cycloaddition reaction

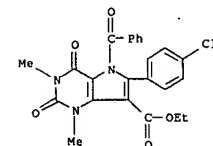
AUTHOR(S): Kanazawa, Hashime; Ichiba, Misuzu; Shimizu, Nobuyuki; Tamura, Zenzo; Senga, Keitaro
 CORPORATE SOURCE: Sch. Med., Keio Univ., Tokyo, 160, Japan
 SOURCE: Journal of Organic Chemistry (1985), 50(14), 2413-16
 CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 103:37449
 IT 96429-54-8P 96429-56-0P 96429-57-1P
 96429-58-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and hydrolysis of)

RN 96429-54-8 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 5-benzoyl-6-ethyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)

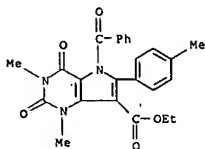


RN 96429-56-0 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 5-benzoyl-6-(4-chlorophenyl)-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)

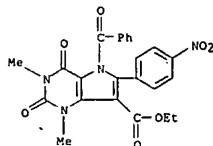


RN 96429-57-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 5-benzoyl-2,3,4,5-

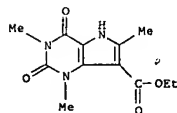
L16 ANSWER 46 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 tetrahydro-1,3-dimethyl-6-(4-methylphenyl)-2,4-dioxo-, ethyl ester (9CI)
 (CA INDEX NAME)



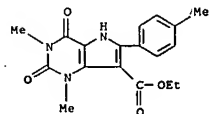
RN 96429-58-2 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 5-benzoyl-2,3,4,5-tetrahydro-1,3-dimethyl-6-(4-nitrophenyl)-2,4-dioxo-, ethyl ester (9CI)
 (CA INDEX NAME)



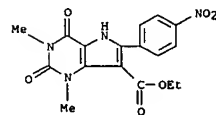
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 96429-65-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 96429-59-3 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3,6-trimethyl-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)



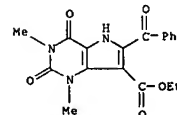
L16 ANSWER 46 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



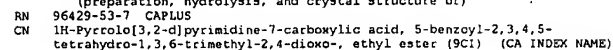
RN 96429-64-0 CAPLUS
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RN 96429-65-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 5-benzoyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)

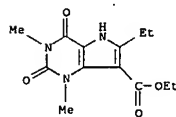


IT 96429-53-7P 96429-55-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation, hydrolysis, and crystal structure of)
 RN 96429-53-7 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 5-benzoyl-2,3,4,5-tetrahydro-1,3,6-trimethyl-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)

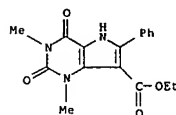


L16 ANSWER 46 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

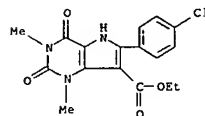
RN 96429-60-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-ethyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 96429-61-7 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

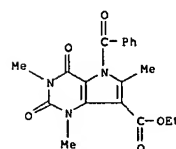


RN 96429-62-8 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-(4-chlorophenyl)-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)

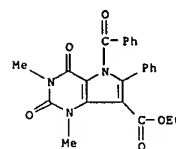


RN 96429-63-9 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3-dimethyl-6-(4-methylphenyl)-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)

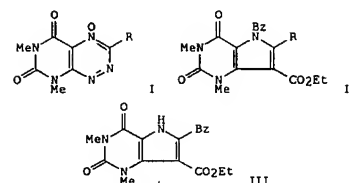
L16 ANSWER 46 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 96429-55-9 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 5-benzoyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



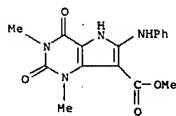
GI



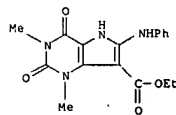
AB The reaction of 3-alkyl(or aryl)pyrimidodiazinedione oxides I [R = Me, Et, 4-RICSH4 (R1 = H, Cl, Me, NO2)] with PhC.tplbond.CCO2Et in PhMe gave the unexpected pyrrolopyrimidinediones II. The structures of II were supported by spectral data as well as by chemical means and were confirmed by

L16 ANSWER 46 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
single-crystal x-ray diffractions. On the other hand, the reaction of I
(R = H) with PhC.tpbond.CCO2Et yielded pyrrolopyrimidinedioneIII.

L16 ANSWER 47 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1983:143378 CAPLUS
DOCUMENT NUMBER: 98:143378
TITLE: A new synthesis of pyrimido[5,4-e]-as-triazine
4-oxides and their ring transformation to
pyrrolo[3,2-d]pyrimidines
AUTHOR(S): Nishigaki, Sadao; Kanazawa, Hashime; Kanamori, Yukako;
Ichiba, Misuzu; Senga, Keitaro
CORPORATE SOURCE: Sch. Med., Keio Univ., Tokyo, 160, Japan
SOURCE: Journal of Heterocyclic Chemistry (1982),
19(6), 1309-12
CODEN: JHCTAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 98:143378
IT 85143-78-8P 85143-83-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and saponification-decarboxylation of)
RN 85143-78-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3-
dimethyl-2,4-dioxo-6-(phenylamino)-, methyl ester (9CI) (CA INDEX NAME)

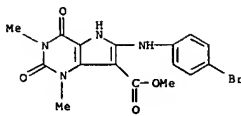


RN 85143-83-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3-
dimethyl-2,4-dioxo-6-(phenylamino)-, ethyl ester (9CI) (CA INDEX NAME)

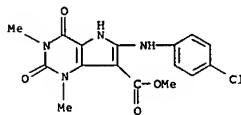


IT 85143-79-9P 85143-80-2P 85143-81-3P
85143-82-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 85143-79-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-[(4-bromophenyl)amino]-
2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX

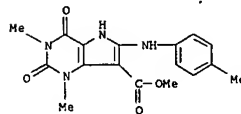
L16 ANSWER 47 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
NAME)



RN 85143-80-2 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-[(4-chlorophenyl)amino]-
2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX
NAME)

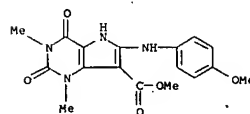


RN 85143-81-3 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3-
dimethyl-6-[(4-methylphenyl)amino]-2,4-dioxo-, methyl ester (9CI) (CA
INDEX NAME)

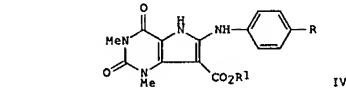
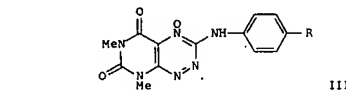
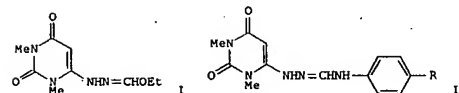


RN 85143-82-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-6-[(4-
methoxyphenyl)amino]-1,3-dimethyl-2,4-dioxo-, methyl ester (9CI) (CA
INDEX NAME)

L16 ANSWER 47 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



GI



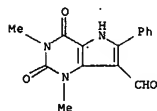
AB. Reaction of 6-hydrazino-1,3-dimethyluracil with HC(OEt)3 gave
(ethoxymethylenehydrazino)dimethyluracil I, which was treated with
arylamines to give (arylaminoethoxymethylenehydrazino)dimethyluracils II (R = H,
Br, Cl, Me, MeO). Nitrosative cyclization of II with NaNO2 afforded
arylaminoferulenol oxides III. Reaction of III with acetylenic esters
yielded dimethylpyrrolopyrimidinediones IV (R1 = Me, Et).

L16 ANSWER 48 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

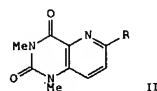
ACCESSION NUMBER: 1983:4515 CAPLUS
 DOCUMENT NUMBER: 98:4515
 TITLE: New syntheses of pyrrolo[3,2-d]pyrimidines. (I)
 AUTHOR(S): Senga, Keitaro; Fukami, Kiyoko; Kanazawa, Hashime; Nishigaki, Sadao
 CORPORATE SOURCE: Sch. Med., Keio Univ., Tokyo, 160; Japan
 SOURCE: Journal of Heterocyclic Chemistry (1982), 19(4), 805-8
 CODEN: JHTCAD; ISSN: 0022-152X
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 83848-77-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 83848-77-5 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxaldehyde, 2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-6-phenyl- (9CI) (CA INDEX NAME)



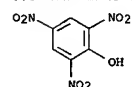
GI



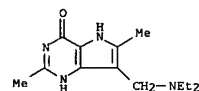
III

AB New synthetic routes to pyrrolo[3,2-d]pyrimidines starting with 5-amino-1,3,6-trimethyluracil (I) or 1,3,6-trimethyl-5-nitro-uracil (II) are described. Thus, condensation of I with acrylaldehydes gave 5-arylideneamino-1,3,6-trimethyluracils, which upon heating with Me₂NCH(OMe)₂ afforded the pyridopyrimidinediones III (R = (un)substituted phenyl) via 5-arylideneamino-1,3-dimethyl-6-(2-dimethylaminovinyl)uracils. Reaction of II with PhCH₂CHO in the presence of base yielded III (R = Ph) and its 5-oxide.

L16 ANSWER 49 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

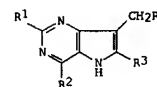


RN 82734-37-0 CAPLUS
 CN 4H-Pyrrolo[3,2-d]pyrimidin-4-one, 7-[[diethylamino]methyl]-1,5-dihydro-2,6-dimethyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

GI



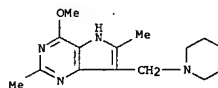
AB The title compds. I (R = Et₂N, R₁ = R₃ = H, Me, R₂ = OH; R = piperidino, Me₂N, R₁ = R₃ = Me, R₂ = Me) were prepared in 42-75% yields by Mannich reactions of the appropriate pyrrolopyrimidines with RH. I (R = BuNH (II), 1-cyclohexen-1-ylethylamino (III) R₁ = Me, R₂ = OH, R₃ = H; R = BuNH, R₁ = Ph, R₂ = Cl, R₃ = H; R = 1-cyclohexen-1-ylethylamino, R₁ = Ph, R₂ = OH, 1-cyclohexen-1-ylethylamino, R₃ = H) were prepared in 30-93% yields by condensing the amines with pyrrolopyrimidinecarboxaldehyde to give Schiff bases which were reduced by NaBH₄. II and III inhibited dihydrofolate reductase activity 82 and 95%, resp., at 10⁻⁵M concns.

L16 ANSWER 49 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1982:492226 CAPLUS
 DOCUMENT NUMBER: 97:92226
 TITLE: Pyrrolo[3,2-d]pyrimidine derivatives. III.
 7-Aminomethyl-substituted pyrrolo[3,2-d]pyrimidines
 AUTHOR(S): Modnikova, G. A.; Sizova, O. S.; Novitskii, K. Yu.; Ryabokon, N. A.; Vlasova, T. M.; Chernov, V. A.; Vses. Nauchno-Issled. Khim.-Farm. Inst., Moscow, USSR
 CORPORATE SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1982), 16(5), 548-52
 CODEN: KHFZAN; ISSN: 0023-1134
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 97:92226

IT 82722-81-4P 82722-83-6P 82734-37-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

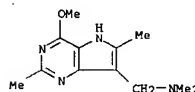
RN 82722-81-4 CAPLUS
 CN 5H-Pyrrolo[3,2-d]pyrimidine, 4-methoxy-2,6-dimethyl-7-(1-piperidinylmethyl)- (9CI) (CA INDEX NAME)



RN 82722-83-6 CAPLUS
 CN 5H-Pyrrolo[3,2-d]pyrimidine-7-methanamine; 4-methoxy-N,N,2,6-tetramethyl-compd. with 2,4,6-trinitrophenol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82722-82-5
 CMF C12 H18 N4 O



CM 2

CRN 88-89-1
 CMF C6 H3 N3 O7

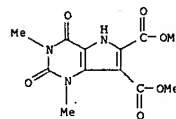
L16 ANSWER 50 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1981:462120 CAPLUS
 DOCUMENT NUMBER: 95:62120
 TITLE: 1,3-Dipolar cycloaddition of a thiazolo[5,4-d]pyrimidine 1-oxide to dimethyl acetylenedicarboxylate. New ring transformation to a pyrrolo[3,2-d]pyrimidine via a pyrimido[4,5-b][1,4]thiazine

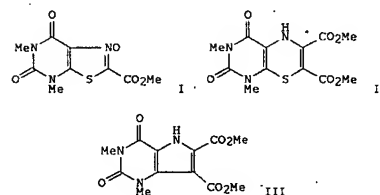
AUTHOR(S): Senga, Keitaro; Ichiba, Misuzu; Kanazawa, Hashime; Nishigaki, Sadao
 CORPORATE SOURCE: Pharm. Inst., Keio Univ., Tokyo, 160, Japan
 SOURCE: Journal of the Chemical Society, Chemical Communications (1981), (6), 278-80
 CODEN: JCCCAT; ISSN: 0022-4936
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 71411-49-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, by ring contraction of pyrimidothiazine)

RN 71411-49-9 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-6,7-dicarboxylic acid, 2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, dimethyl ester (9CI) (CA INDEX NAME)



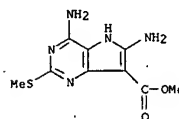
GI



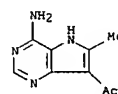
AB 1,3-Dipolar cycloaddn. of thiazolo[5,4-d]pyrimidine 1-oxide I with MeO₂C₂C₂tpbond.CCO₂Me in refluxing MeOH for 10 h gave 38% pyrimidothiazine II and 17% pyrrolopyrimidine III, in addition to a small amount of ring-opened

L16 ANSWER 50 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
thiobarbituric acid. The proposal that III is formed from II was proved
by refluxing II in MeOH for 3 h to give 75% III.

L16 ANSWER 51 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1980:568223 CAPLUS
DOCUMENT NUMBER: 93:168223
TITLE: Synthesis of pyrrolo[3,2-d]pyrimidines from
furazano[3,4-d]pyrimidines via enolate and ene adducts
AUTHOR(S): Crane, L. Eric; Beardsley, G. Peter; Naki, Yoshifumi
CORPORATE SOURCE: Dep. Chem., Princeton Univ., Princeton, NJ, 08540, USA
SOURCE: Journal of Organic Chemistry (1980), 45(19),
3827-31
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 93:168223
IT 74366-89-5P 74366-92-0P 74366-93-1P
74366-94-2P 74366-96-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 74366-89-5 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 4,6-diamino-2-(methylthio)-
methyl ester (9CI) (CA INDEX NAME)

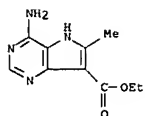


RN 74366-92-0 CAPLUS
CN Ethanone, 1-(4-amino-6-methyl-5H-pyrrolo[3,2-d]pyrimidin-7-yl)- (9CI) (CA INDEX NAME)

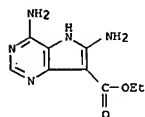


RN 74366-93-1 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 4-amino-6-methyl-, ethyl ester (9CI) (CA INDEX NAME)

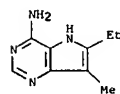
L16 ANSWER 51 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



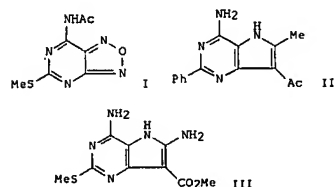
RN 74366-94-2 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 4,6-diamino-, ethyl ester (9CI) (CA INDEX NAME)



RN 74366-96-4 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidin-4-amine, 6-ethyl-7-methyl- (9CI) (CA INDEX NAME)



GI



AB Treating 7-(acylamino)fuzazano[3,4-d]pyrimidines (e.g., I) with enamines

L16 ANSWER 52 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1979:611369 CAPLUS

DOCUMENT NUMBER: 91:211369

TITLE: New synthesis of pyrrolo[3,2-d]pyrimidines (9-deazapurines) by the 1,3-dipolar cycloaddition reaction of fervenulin 4-oxides with acetylenic esters
Senga, Keitaro; Ichiba, Misuzu; Nishigaki, Sadao
Sch. Med., Keio Univ., Tokyo, 160, Japan
Journal of Organic Chemistry (1979), 44(22), 3830-4
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal
LANGUAGE: English

IT 67775-83-1P 67812-61-7P 71411-49-9P

71411-50-2P 71411-51-3P 71411-52-4P

71411-53-5P 71411-56-8P 71411-59-1P

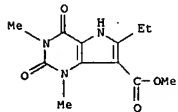
71411-60-4P 71411-61-5P

RL: SPN (Synthetic preparation): PREP (Preparation)

(preparation of)

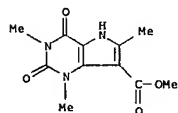
RN 67775-83-1 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-ethyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX NAME)



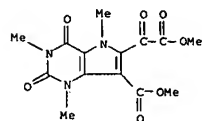
RN 67812-61-7 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3,6-trimethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX NAME)



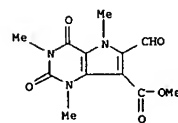
RN 71411-49-9 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-6,7-dicarboxylic acid, 2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, dimethyl ester (9CI) (CA INDEX NAME)



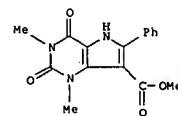
RN 71411-53-5 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-formyl-2,3,4,5-tetrahydro-1,3,5-trimethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX NAME)



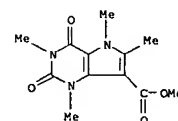
RN 71411-56-8 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-6-phenyl-, methyl ester (9CI) (CA INDEX NAME)

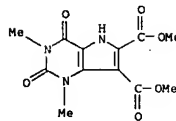


RN 71411-59-1 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3,5,6-tetramethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX NAME)

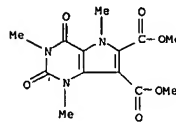


L16 ANSWER 52 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



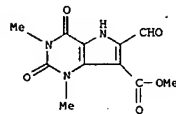
RN 71411-50-2 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-6,7-dicarboxylic acid, 2,3,4,5-tetrahydro-1,3,5-trimethyl-2,4-dioxo-, dimethyl ester (9CI) (CA INDEX NAME)



RN 71411-51-3 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-formyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX NAME)



RN 71411-52-4 CAPLUS

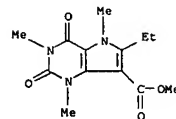
CN 1H-Pyrrolo[3,2-d]pyrimidine-6-acetic acid, 2,3,4,5-tetrahydro-7-(methoxycarbonyl)-1,3,5-trimethyl-2,4-trioxo-, methyl ester (9CI) (CA INDEX NAME)

L16 ANSWER 52 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

L16 ANSWER 52 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

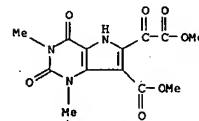
RN 71411-60-4 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-ethyl-2,3,4,5-tetrahydro-1,3,5-trimethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX NAME)

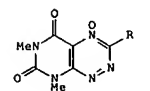


RN 71411-61-5 CAPLUS

CN 1H-Pyrrolo[3,2-d]pyrimidine-6-acetic acid, 2,3,4,5-tetrahydro-7-(methoxycarbonyl)-1,3-dimethyl-2,4-trioxo-, methyl ester (9CI) (CA INDEX NAME)



GI



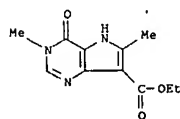
AB 1,3-Dipolar cycloaddn. reaction of fervenulin 4-oxides I (R = Ph, Me, Et, H) with MeO₂C.tplbond.CCO₂Me and HC.tplbond.CCO₂Me gave a variety of pyrrolo[3,2-d]pyrimidines (9-deazapurines) in a new synthetic route.

L16 ANSWER 53 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

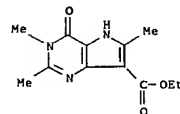
ACCESSION NUMBER: 1979:87179 CAPLUS
 DOCUMENT NUMBER: 90:87179
 TITLE: Intramolecular reactions of enamionitriles. A new synthesis of β -aminopyrroles and related heterocycles
 AUTHOR(S): Murata, Tadokazu; Sugawara, Tohru; Ukawa, Kiyoshi
 CORPORATE SOURCE: Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, Japan
 SOURCE: Chemical & Pharmaceutical Bulletin (1978), 26(10), 3080-100
 CODEN: CPBTAL; ISSN: 0009-2363

DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 90:87179
 IT 51618-12-3P 51618-13-4P 51618-14-5P
 51618-15-6P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 51618-12-3 CAPLUS
 CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 4,5-dihydro-3,6-dimethyl-4-oxo-, ethyl ester (9CI) (CA INDEX NAME)

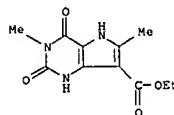


RN 51618-13-4 CAPLUS
 CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 4,5-dihydro-2,3,6-trimethyl-4-oxo-, ethyl ester (9CI) (CA INDEX NAME)

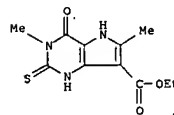


RN 51618-14-5 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-3,6-dimethyl-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)

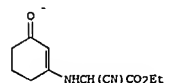
L16 ANSWER 53 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 51618-15-6 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-3,6-dimethyl-4-oxo-2-thio-, ethyl ester (9CI) (CA INDEX NAME)



GI



AB Several new β -aminopyrroles, β -aminoindoles, pyrrolo[3,4-b]indoles, and pyrrolo[3,2-b]pyridines were prepared by a sequence of reactions involving intramolecular addition of an enamine to a cyano group. Enamine I, prepared from tert-butylaminocyclohexanone and 1,3-cyclohexanedione, cyclized after substitution of the methine by Et bromoacetate in the presence of NaOEt to afford 2-tert-butoxycarbonyl-2-ethoxycarbonylmethyl-3-imino-4-oxo-4,5,6,7-tetrahydroindoline. Reaction of I with Me vinyl ketone-sodium ethoxide furnished 3-amino-2-tert-butoxycarbonyl-4-oxo-4,5,6,7-tetrahydroindoline. Similarly certain 3-aminopyrroles and pyrrolo[3,2-b]pyridines were prepared from EtO2CC:CH=NHCH(CN)CO2OMe2 (II) prepared from acetoacetate and tert-Bu aminocyclohexanone. Enamines obtained by condensation of Et acetoacetate with aminocyclohexanones underwent cyclizations to 3-amino-2-carbamoylpyrroles upon treatment with base. Several new 3-amino-pyrroles thus prepared were converted to new pyrrolo[3,2-d]- and pyrrolo[3,4-d]pyrimidines. A steric effect of the neighboring butoxycarbonyl group in II was also briefly discussed.

L16 ANSWER 53 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

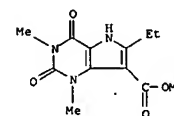
L16 ANSWER 54 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1978:546866 CAPLUS
 DOCUMENT NUMBER: 89:146866
 TITLE: The 1,3-dipolar cycloaddition reaction of fervenulin 4-oxides with dimethyl acetylenedicarboxylate, a novel synthesis of pyrrolo[3,2-d]pyrimidines (9-deazapurines)

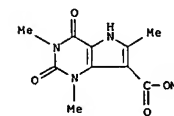
AUTHOR(S): Senga, Keitaro; Ichiba, Misuzu; Nishigaki, Sadao
 CORPORATE SOURCE: Pharm. Inst., Keio Univ., Tokyo, Japan
 SOURCE: Heterocycles (1978), 9(7), 793-5
 CODEN: HETCYM; ISSN: 0385-5414
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 67775-83-1P 67812-61-7P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

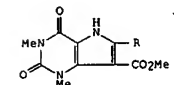
RN 67775-83-1 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 6-ethyl-2,3,4,5-tetrahydro-1,3-dimethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX NAME)



RN 67812-61-7 CAPLUS
 CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-1,3,6-trimethyl-2,4-dioxo-, methyl ester (9CI) (CA INDEX NAME)



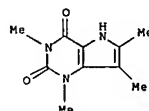
GI



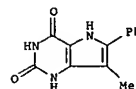
AB Pyrrolopyrimidinediones I (R = H, Me, Et) were obtained in 55-64% yields by cycloaddn. of MeO2CC.tplbond.CO2Me to the corresponding fervenulin

L16 ANSWER 54 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
4-oxides. The structure of I (R = H) was confirmed by methylation with Me₂NCH(OMe)₂ to give the known 5-Me deriv.

L16 ANSWER 55 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:152556 CAPLUS
DOCUMENT NUMBER: 88:152556
TITLE: 9-Deazapurines from pyrimido[4,5-b][1,4]thiazines
AUTHOR(S): Fenner, Helmut; Motschall, Annegrete
CORPORATE SOURCE: Inst. Pharm., Freie Univ. Berlin, Berlin, Fed. Rep. Ger.
SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1978), 311(2), 153-61
CODEN: ARPMAS; ISSN: 0365-6233
DOCUMENT TYPE: Journal
LANGUAGE: German
OTHER SOURCE(S): CASREACT 88:152556
IT 66127-44-4P 66127-47-7P 66127-48-8P
66127-49-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 66127-44-4 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 1,3,6,7-tetramethyl- (9CI)
(CA INDEX NAME)

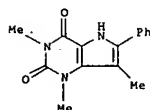


RN 66127-47-7 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 7-methyl-6-phenyl- (9CI)
(CA INDEX NAME)

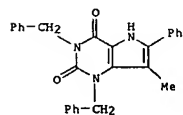


RN 66127-48-8 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 1,3,7-trimethyl-6-phenyl- (9CI) (CA INDEX NAME)

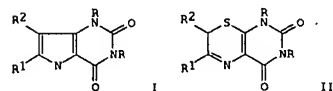
L16 ANSWER 55 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 66127-49-9 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-2,4(3H,5H)-dione, 7-methyl-6-phenyl-1,3-bis(phenylmethyl)- (9CI) (CA INDEX NAME)

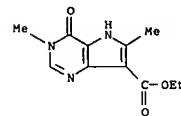


GI

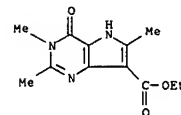


AB Pyrrolopyrimidinediones I (R = H, Me, CH₂Ph; R₁ = Me, Ph, 4-O₂NC₆H₄, 4-MeOC₆H₄; R₂ = H, Me, Ph) were obtained in 70-80% yield by thermal S extrusion from II. The 7-di-Me analogs of II (R = H, Me, R₁ = R₂ = Me) did not undergo the S extrusion. II were obtained by treating 6-thiouramils with halo compds.

L16 ANSWER 56 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1974:95872 CAPLUS
DOCUMENT NUMBER: 80:95872
TITLE: Intramolecular reactions of enamionitriles. II. Synthesis of new 3-aminopyrrole-2-carboxamides. New route to pyrrolo[3,2-d]pyrimidines
AUTHOR(S): Murata, Tadakazu; Ukawa, Kiyoshi
CORPORATE SOURCE: Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, Japan
SOURCE: Chemical & Pharmaceutical Bulletin (1974), 22(1), 240-1
CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 51618-12-3P 51618-13-4P 51618-14-5P
51618-15-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 51618-12-3 CAPLUS
CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 4,5-dihydro-3,6-dimethyl-4-oxo-, ethyl ester (9CI) (CA INDEX NAME)

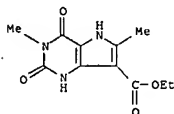


RN 51618-13-4 CAPLUS
CN 3H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 4,5-dihydro-2,3,6-trimethyl-4-oxo-, ethyl ester (9CI) (CA INDEX NAME)

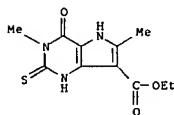


RN 51618-14-5 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-3,6-dimethyl-2,4-dioxo-, ethyl ester (9CI) (CA INDEX NAME)

L16 ANSWER 56 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

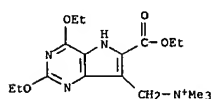


RN 51618-15-6 CAPLUS
CN 1H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2,3,4,5-tetrahydro-3,6-dimethyl-4-oxo-2-thioxo-, ethyl ester (9CI) (CA INDEX NAME)

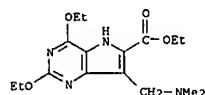


GI For diagram(s), see printed CA Issue.
AB 3-Aminopyrroles I [R = R1 = H; R = Me, R1 = H; RR1 = (CH2)5] were prepared in 30-75% yields by cyclizing EtO2CCH:CHNHC(CN)CONRR1 with EtONa in EtOH. I were readily converted to the pyrrolo[3,2-d]pyrimidines II and III (X = O, S) by treating with suitable reagents. Treating I (R = Me, R1 = H) with NaNO2 in aqueous HCl gave the pyrrolotriazine IV.

L16 ANSWER 58 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN
ACCESSION NUMBER: 1964:484243 CAPLUS
DOCUMENT NUMBER: 61:84243
ORIGINAL REFERENCE NO.: 61:14671g-h, 14672a
TITLE: Chemical structure of albomycin. VIII. Transformations associated with the presence of pyrimidine base in the albomycin molecule
AUTHOR(S): Lavrenova, G. I.; Poddubnaya, N. A.
CORPORATE SOURCE: M. V. Lomonosov State Univ., Moscow
SOURCE: Zhurnal Obshchei Khimii (1964), 34(9), 2864-8
CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Russian
IT 98562-99-3 98638-93-8
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 98562-99-3 CAPLUS
CN [(6-Carboxy-2,4-diethoxy-5H-pyrrolo[3,2-d]pyrimidin-7-yl)methyl]trimethylammonium iodide, ethyl ester (7CI) (CA INDEX NAME)

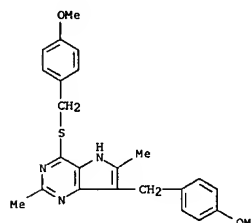
● I⁺

RN 98638-93-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-6-carboxylic acid, 7-[(dimethylamino)methyl]-2,4-diethoxy-, ethyl ester (7CI) (CA INDEX NAME)



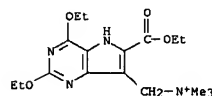
GI For diagram(s), see printed CA Issue.
AB cf. CA 60, 1750d, 1976g. The active fraction A-2 of albomycin was hydrolyzed 2 hrs. at 90° with saturated aqueous Ba(OH)2. The solution was acidified with H2SO4, the BaSO4 filtered off, and the filtrate evaporated. The ultraviolet spectrum, chromatographic and electrophoretic behavior, and AC derivative identify the residue as 2-oxo-6-methylaminopyrimidine (I).

L16 ANSWER 57 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN
ACCESSION NUMBER: 1973:147895 CAPLUS
DOCUMENT NUMBER: 78:147895
TITLE: Pyrrolo[3,2-d]pyrimidines
AUTHOR(S): Sokolova, V. N.; Modnikova, G. A.; Magidson, O. Yu.; Sheherbakova, L. I.; Pershin, G. N.; Zykova, T. N.; Vses. Nauchno-Issled. Khim.-Farm. Inst. im. Ordzhonikidze, Moscow, USSR
CORPORATE SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1973), 7(3), 19-24
SOURCE: CODEN: KHFFAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian
IT 41040-23-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 41040-23-7 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine, 7-[(4-methoxyphenyl)methyl]-4-[(4-methoxyphenyl)methyl]thio]-2,6-dimethyl- (9CI) (CA INDEX NAME)

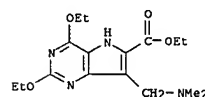


GI For diagram(s), see printed CA Issue.
AB Pyrrolo[3,2-d]pyrimidines (I: R = Et2NCH2CH2NH, PhCH2NH, PhCH2CH2NH, 4-methyl-1-piperazinyl), II, III, and IV were prepared in 29-91% yields by treatment of (R = Cl) with the appropriate amine. Alkoxy derivs. (I: R = MeO, EtO, BuO, Et2NCH2CH2O) were obtained in 23-64% yields by treatment of I (R = Cl) with RONA in ROH. Alkylthio derivs. [I: R = BuS, Me2CHCH2S, Me(CH2)4-7CH2S, CH2:CHCH2S, HC:CCH2S, PhCH2S, p-ClC6-h4CH2S] were prepared in 25-74% yields by alkylation of I (R = SH) by RBr.

L16 ANSWER 59 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN
ACCESSION NUMBER: 1964:484242 CAPLUS
DOCUMENT NUMBER: 61:84242
ORIGINAL REFERENCE NO.: 61:14670h, 14671a-g
TITLE: Nucleic acid antagonists. VII. Synthesis and characterization of 1,4,6-triazaindenes (5H-pyrrolo[3,2-d]pyrimidines)
AUTHOR(S): Imai, Kinichi
CORPORATE SOURCE: Takeda Chem. Ind., Ltd., Osaka, Japan
SOURCE: Chemical & Pharmaceutical Bulletin (1964), 12(9), 1030-42
CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
IT 98562-99-3P, Ammonium, [(6-carboxy-2,4-diethoxy-5H-pyrrolo[3,2-d]pyrimidin-7-yl)methyl]trimethyl, iodide, Et ester 98638-93-8P, 5H-Pyrrolo[3,2-d]pyrimidine-6-carboxylic acid, 7-[(dimethylamino)methyl]-2,4-diethoxy-, ethyl ester
RL: PREP (Preparation)
(preparation of)
RN 98562-99-3 CAPLUS
CN [(6-Carboxy-2,4-diethoxy-5H-pyrrolo[3,2-d]pyrimidin-7-yl)methyl]trimethylammonium iodide, ethyl ester (7CI) (CA INDEX NAME)

● I⁺

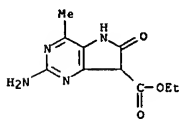
RN 98638-93-8 CAPLUS
CN 5H-Pyrrolo[3,2-d]pyrimidine-6-carboxylic acid, 7-[(dimethylamino)methyl]-2,4-diethoxy-, ethyl ester (7CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.
AB 2-Carboxy-5,7-diethoxy-1,4,6-triazaindene (I) (2 g.) and 10 cc. HCl refluxed 6 h. gave 1.3 g. 2-CO2H derivative (II) of 5,7-dioxo-4,5,6,7-tetrahydro-1,4,6-triazaindene (III), m. above 360° (H2O). II (1 g.) and 100 mg. Cu powder heated at 330-40° until the CO2 evolution ceased gave 600 mg. III, m. above 360° (H2O). I (1 g.) and 500 mg. Cu powder heated 10 min. in vacuo at 220-40° yielded 700 mg. 2-CO2Et derivative (IV) of 4,6-diethyl-5,7-dioxo-4,5,6,7-tetrahydro-1,4,6-

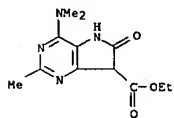
L16 ANSWER 59 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 triazene (V), m. 205° (aq. EtOH). IV (840 mg.) in 15 cc. EtOH heated 2 h. on the water bath with 1.5 g. NaOH in 2 cc. H₂O gave 700 mg. 2-CO₂H deriv. (VI) of V, m. 306° (MeOH). VI (150 mg.) heated at 310-20° during 10 min. yielded 100 mg. V, m. 142° (reptd. from C6H6 with petr. ether). IV (300 mg.), 5 cc. EtOH, and 3 cc. 28% NH₄OH heated 5 h. in a sealed tube at 140-50° gave 200 mg. 2-CO₂H deriv. of V, crystal powder, m. 298° (aq. EtOH). 5-Me deriv. (VIII) (4.7 g.) of 2-methyl-7-oxo-6,7-dihydro-1,4,6-triazaindene (VIII) refluxed 3 h. with 27 cc. POCl₃ yielded 4.8 g. 5-Me deriv. (IX) of X, m. 158-60° (AcOEt). VIII (5 g.) and 24 cc. POCl₃ gave similarly 4 g. X, m. 178° (decompn.). III (5 g.), 400 cc. POCl₃, and 10 cc. Me₂NPh refluxed 2 h. gave 2 g. 5,7-dichloro-1,4,6-triazaindene (XI), m. 224° (50% MeOH). III (3 g.) and 24 cc. pyrophosphoryl chloride (upper layer of a mixt. prep. by heating POCl₃ with 0.5 equiv. H₂O 1.5 h.) yielded 2.1 g. XI, m. 226-8° (aq. MeOH). 7-Oxo-6,7-dihydro-1,4,6-triazaindene (XII) (850 mg.) refluxed 2 h. with 20 cc. POCl₃ gave 7-chloro-1,4,6-triazaindene (XIII), m. 186-8° (decompn.). (50% aq. EtOH). XI (3 g.) and 30 cc. 2N KOH refluxed 4.5 h. yielded 1.6 g. 5-Cl deriv. (XIV) of XII, m. 270° (decompn.). (H₂O). XI (500 mg.) and 400 mg. CS(NH₂)₂ in 13 cc. EtOH refluxed 5 h. gave 250 mg. 5,7-dimercapto-1,4,6-triazaindene (XV), pale yellow, m. above 360° (H₂O). III (500 mg.), 3 g. P₂S₅, and 20 cc. Tetralin stirred 1.5 h. at 170-200° and 4 h. at 200-5° gave 150 mg. XV. XV (70 mg.) and 2 cc. 0.5N NaOH shaken with 0.1 cc. Me₂SO₄ gave the 5,7-di-MeS analog of XV, m. 230° (60% MeOH). XIII (700 mg.) and 350 mg. CS(NH₂)₂ in 20 cc. EtOH refluxed 4 h. yielded 300 mg. 7-mercapto-1,4,6-triazaindene (XVI), pale yellow needles, m. above 300° (H₂O). VII (700 mg.), 3.8 g. P₂S₅, and 16 cc. Tetralin heated 12 h. at 190-200° gave 2,5-dimethyl-7-mercapto-1,4,6-triazaindene (XVII), crystal powder, m. 314-15° (decompn.). (30% MeOH). IX (1.5 g.), 40 mg. Cu powder, 6.3 cc. alc. NH₃, and 2 cc. concd. NH₄OH heated 13 h. in a sealed tube at 160-70° gave 750 mg. 2,5-di-Me deriv. of 7-amino-1,4,6-triazaindene (XVIII), needles, m. 300-2° (MeOH). X (400 mg.), 20 mg. Cu powder, 1.8 cc. alc. NH₃, and 6 cc. concd. NH₄OH yielded similarly 250 mg. 2-Me deriv. (XIX) of XVIII, m. 327-8° (decompn.). (MeOH). XI (3 g.) and 60 cc. alc. NH₃ heated 12 h. in an autoclave at 120° yielded 1.6 g. 5-Cl deriv. (XX) of XVIII, needles, m. 264° (decompn.). XI (4 g.) and 60 cc. alc. NH₃ heated 20 h. in an autoclave at 200° yielded 3.6 g. 5-NH₂ deriv. of XVIII, needles, m. 285° (decompn.). XIV (4 g.) gave similarly 850 mg. 5-amino-7-oxo-6,7-dihydro-1,4,6-triazaindene, m. above 300° (H₂O). IX (2.2 g.) and 1.2 g. MgO in 120 cc. EtOH hydrogenated 2 h. over Pd-C gave 1.3 g. 2,5-dimethyl-1,4,6-triazaindene (XXI), m. 211-12° (AcOEt). X, XIV, and XX gave similarly 66% 2-methyl-1,4,6-triazaindene (XXII), m. 237° (decompn.). (AcOEt). 7-oxo-6,7-dihydro-1,4,6-triazaindene (XXIII), m. above 300° with discoloration from about 290° (H₂O), and XVIII, decompd. at 320° with browning from about 280° (H₂O), resp. XV (400 mg.) in 30 cc. EtOH refluxed 2 h. with 4 g. Raney Ni and kept overnight gave 210 mg. 1,4,6-triazaindene (XXIV), m. 177° (AcOEt). XI (1 g.) in 80 cc. MeOH hydrogenated over Pd-C gave XXIV, m. 175° (decompn.). XI (3 g.) in 120 cc. MeOH hydrogenated 1.5 h. over Pd-C, and the crude product dissolved in 40 cc. H₂O, mixed with 18 cc. 30% KOH, treated dropwise with 11.8 g. K₂Fe(CN)₆ in 50 cc. hot H₂O, and stirred 0.5 h. at room temp. yielded 1.3 g. XXIV, m. 172-4° (AcOEt). I (1.1 g.) in 1.5 cc. AcOH treated 20 min. with cooling with 500 mg. 40% aq.

L16 ANSWER 60 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN
 ACCESSION NUMBER: 1955:73579 CAPLUS
 DOCUMENT NUMBER: 49:73579
 ORIGINAL REFERENCE NO.: 49:14002b-1,14003a-1,14004a-b
 TITLE: 1,2,4,6-Triaza-1,4,6-triazaindene and 1,4,6-triazaindene-2-ones from 5-aminopyrimidines
 AUTHOR(S): Rose, F. L.
 CORPORATE SOURCE: Imperial Chem. Inds. Ltd., Manchester, UK
 SOURCE: Journal of the Chemical Society (1954)
 4116-26
 CODEN: JCSOA9; ISSN: 0368-1769
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 IT 860721-15-9P, 5H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2-amino-6,7-dihydro-4-methyl-6-oxo-, ethyl ester, hydrochloride
 860721-17-1P, 5H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 4-dimethylamino-6,7-dihydro-2-methyl-6-oxo-, ethyl ester
 RL: PREP (Preparation)
 (preparation of)
 RN 860721-15-9 CAPLUS
 CN 5H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 2-amino-6,7-dihydro-4-methyl-6-oxo-, ethyl ester, hydrochloride (SCI) (CA INDEX NAME)



• HCl

RN 860721-17-1 CAPLUS
 CN 5H-Pyrrolo[3,2-d]pyrimidine-7-carboxylic acid, 4-dimethylamino-6,7-dihydro-2-methyl-6-oxo-, ethyl ester (SCI) (CA INDEX NAME)



GI For diagram(s), see printed CA issue.
 AB cf. C.A. 47, 5403t. The formation of the 1,2,4,6-tetraazaindenes (I) through the diazotization of 5-amino-4-methylpyrimidines (II) was undertaken in order to prepare members of the series isosteric with the natural purines, and perhaps form a basis for new chemotherapeutic agents. 6-Me groups have been introduced into several 5-nitropyrimidines by substitution of a diethyl malonate radical for Cl, followed by degradative

L16 ANSWER 59 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 Me₂NH, 1.5 cc. AcOH, and 440 mg. 37% aq. CH₂O and the mixt. heated 2 h. on the water bath and kept overnight yielded 500 mg. 3-Me₂NCH₂ deriv. (XXV) of I, needles, m. 103-4° (petr. ether). XXV (200 mg.), 2 cc. EtOH, and 100 mg. MeI gave XXV-MeI, needles, m. 180° (1:2 Me₂CO-AcOEt). The UV spectra of I, IV, VIII, XVIII, XXI, XXII, XXIII, XXIV, XXIX, and the dihydro deriv. of XXIV-HCl, and the IR spectrum of XXIV were recorded.

L16 ANSWER 60 OF 60 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 hydrolyses to yield intermediates not available by direct nitration. The following I were prepd. 5-Amino-6-methyl-2,4-di(methylthio)pyrimidine (18 g.) in 200 ml. H₂O and 20 ml. concd. HCl was diazotized at 5-10° with 6.2 g. NaNO₂ in 10 ml. H₂O, the soln. added to a vigorously stirred soln. of 150 ml. 4N NaOH at <10°, and the pH adjusted to 7 with AcOH afforded I (R₁ = R₂ = 5Me), m. 270-2° (from EtOCH₂CH₂OH). Prepd. from II (R₁ = R₂ = SEt) was I (R₁ = R₂ = Et), m. 135-6°. II (R₁ = Cl, R₂ = NMe₂) afforded I (R₁ = Cl, R₂ = NMe₂), m. 240-50° (decompn.). Reduction of the Cl compd. with Pd-C proved fruitless, but SnCl₂ in HCl afforded I (R₁ = OH, R₂ = NMe₂), m. 360°. II [R₁ = Cl, R₂ = N(CH₂Ph)Me] afforded, after refluxing of the diazonium soln., I [R₁ = OH, R₂ = N(CH₂Ph)Me], decomp. above 300°. II [R₁ = SEt, R₂ = N(CH₂Ph)Me] yielded, after keeping the diazonium soln. at 70°, the corresponding I, m. 225° (decompn.). 2-Amino-4-diethoxycarbonylmethyl-6-methyl-5-nitropyrimidine was reduced to the diamine with Raney Ni; addn. of dioxane caused a small amt. of triazaindenone (III) to ppt. The mother liquor was diazotized to yield 5-amino-3,3-diethoxycarbonyl-7-methyl deriv. of I, m. 136-40°. Partial hydrolysis by NaOH afforded 5-amino-3-ethoxycarbonyl-7-methyl deriv. of I, m. 263-5°. This compd. is also formed when NHD is passed into the 5-chloro-3-ethoxycarbonyl-7-methyl deriv. of I in PhOH at 140°. III, dissolved in dil. NaOH affords, 5-amino-3-ethoxycarbonyl-7-methyl-4,6-diazoindole. II [R₁ = Cl, R₂ = CH(CO₂Et)₂] on diazotization, yielded 5-chloro-3,3-diethoxycarbonyl-7-methyl deriv. of I, m. 89°, which on partial hydrolysis gives 5-chloro-3-ethoxycarbonyl-7-methyl deriv. of I, m. 208° (decompn.). 5-Amino-6-chloro-4-diethoxycarbonylmethyl-2-methylpyrimidine afforded 7-chloro-3,3-diethoxycarbonyl-5-methyl deriv. of I (IV), m. 67.5°, which on treatment with MeOH gave the 7-methoxy analog, m. 124°. Partial hydrolysis of IV yielded 7-chloro-3-ethoxycarbonyl-5-methyl deriv. of I, m. 211°, converted by NH₃ into the 7-amino analog, m. 256°. To an alc. soln. of diazotized sulfanilic acid was added on alk. soln. of I (R₁ = H₂N, R₂ = Me), the azo deriv. was pptd. by acid, filtered, warmed with Na₂S₂O₄, the soln. acidified with HCl and neutralized to yield 3,5-diamino-7-methyl deriv. of I, m. above 300°. (V) 11N NaOH (37.5 ml.) was added to a stirred soln. of 2-amino-4-chloro-6-methyl-5-nitropyrimidine (23.9 g.) in 30 g. CH₂(CO₂Et)₂ (V) and 100 ml. Me₂CO and the soln. cooled and acidified yielded 2-amino-4-diethoxycarbonylmethyl-6-methyl-5-nitropyrimidine (VI), m. 129.5°. VI (46.8 g.) in 300 ml. 2N HCl was refluxed and the EtOH distd. off; the addn. of NH₄OH yielded 2-amino-4,6-dimethyl-5-nitropyrimidine, m. 225°. VI (3 g.) was refluxed with 23 ml. 1.5N NaOH for 10 min. and then taken to dryness after neutralization with AcOH. Removal of NaOAc by EtOH digestion afforded the Na salt of 4-carboxymethyl-2-hydroxy-6-methyl-5-nitropyrimidine. NaClO soln. (20 ml.) was added to 5.2 g. VI stirred in a soln. of 50 ml. H₂O and 3 ml. 11N NaOH to yield di-Et a-(2-amino-6-methyl-5-nitro-4-pyrimidinyl)-a-chloromalonate (VII), m. 122°. p-ClC₆H₄NH₂ (16.5 g.) in 250 ml. H₂O and 15 ml. HCl was diazotized at 20° by 7.5 g. NaNO₂, in 30 ml. H₂O, and the diazo soln. was added to 31.2 g. VII in 500 ml. H₂O and 30 cc. 11N NaOH and cooled to yield di-Et a-(2-amino-6-methyl-5-nitro-4-pyrimidinyl)-a-p-chlorophenylhydrazono-4-methyl-6-pyrimidine (VIII), m. 173° (decompn.). VIII (6 g.) in 10 ml. 11N NaOH and 70 ml. EtOH was refluxed 15 min., cooled, neutralized with AcOH and distd. with 140 ml. H₂O to yield 2-amino-6-p-chlorophenylhydrazono-4-methyl-5-nitropyrimidine (IX), m. 246° (decompn.), which was reduced with Raney Ni in HCONMe₂ to 2,5-diamino-6-p-chlorophenylhydrazono-4-methyl-6-pyrimidine, m. 228°. In similar fashion, 2,4-dichloro-6-methyl-5-nitropyrimidine and V afforded di-Et 2-chloro-6-methyl-5-nitro-4-pyrimidinylmalonate (X),

L16 ANSWER 60 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 m. 48-50°, reduced to di-Et 5-amino-2-chloro-6-methyl-4-pyrimidinylmalonate (XI), m. 141°. Acidification of a refluxing soln. of XI and Na₂CO₃ yielded a ppt. which on heating with H₂O afforded 5-chloro-3-ethoxycarbonyl-7-methyl-1,4,6-triazaindan-2-one, decomp. above 200°. Prepd. as VIII was di-Et α-(2-chloro-6-methyl-5-nitro-4-pyrimidinyl)-α-p-chlorophenylazomalonate (XII), from p-ClC₆H₄NH₂ and XI, m. 98°. NaOH and XII in refluxing EtOH yielded Et α-p-chlorophenylazo-α-(2-hydroxy-6-methyl-5-nitro-4-pyrimidinyl)acetate, m. 234°. V and 4,6-dichloro-2-methyl-5-nitropyrimidine yielded di-Et α-(4-chloro-2-methyl-5-nitro-6-pyrimidinyl)malonate (XIII), whose Na salt m. 150-2°; a small amt. b. 140-2°/0.01 mm. before violently decomp. XIII and Me₂NH afforded di-Et 6-dimethylamino-2-methyl-5-nitro-4-pyrimidinylmalonate, m. 89°. Reduction of XII in MeOH-Raney Ni afforded di-Et 5-amino-4-chloro-2-methyl-6-pyrimidinylmalonate (XIV), m. 90°, which on treatment with hot aq. Na₂CO₃ yielded 7-chloro-3-ethoxycarbonyl-5-methyl-1,4,6-triazaindan-2-one (XV), decomp. on heating. XV, heated with Me₂NH, afforded, on neutralization, the 7-dimethylamino analog of XV, no. m.p. XIII, refluxed with 4N HCl, and then evapd. to dryness, yielded 4-hydroxy-2,6-dimethyl-5-nitropyrimidine (XVI), m. 222°. XVI reduced in MeOH and Pd/C yielded 5-amino-4-hydroxy-2,6-dimethylpyrimidine, m. 200°, which on diazotization and warming, gave 2,6-dimethyl-1',2',3'-oxadiazolo[5',4',4,5]pyrimidine, m. 188°. 4,6-Dichloro-5-nitropyrimidine and V yielded di-Et 4-chloro-5-nitro-6-pyrimidinylmalonate, m. 104°, which on refluxing with aq. HCl, afforded 4-hydroxy-6-methyl-5-nitropyrimidine. Other methods of prepg. the 5-nitro and 5-aminopyrimidines are as follows. Me₂NH (84 ml.; 30% aq.), made neutral to brilliant yellow with AcOH, was added to 4,6-dichloro-5-nitropyrimidine (27 g.) in 100 ml. dioxane at 15-20°, and after 2 hrs., 300 ml. H₂O was added to ppt. 4-chloro-6-dimethylamino-5-nitropyrimidine (XVII), m. 104°. As above, 2,4-dichloro-6-methyl-5-nitropyrimidine (XVIII) afforded 2-chloro-4-dimethylamino-6-methyl-5-nitropyrimidine, m. 97°, which on reduction with Raney Ni in MeOH yielded the 5-amino analog, m. 63°. XVIII reacted as before, but not neutralized by AcOH as in the previous example, yielded 2,4-bis(dimethylamino)-6-methyl-5-nitropyrimidine, m. 122-3°, which was reduced to the 5-amino analog (XIX), m. 75°. XVIII with PhCH₂NHMe (neutralized with AcOH) afforded 4-benzylmethylamino-2-chloro-6-methyl-5-nitropyrimidine (XX), m. 114°, reduced to the 5-amino analog, m. 146° (picrate). XVII (12 g.) was added to a mixt. of 3.6 g. (CH₂)₆N₄ and 12 g. Et₃N in 20 ml. dioxane and warmed to 70°. Distn. of the dioxane and acidification yielded 1,6-di(4-dimethylamino-5-nitro-6-pyrimidinylamino)hexane (XXI), m. 142-4°. Na₂S₂OH₂O treated with XVIII (neutralized with AcOH) gave a ppt. which was acidified with HCl. This thiol was suspended in aq. Na₂CO₃ and treated with Me₂SO₄ to afford 2-chloro-4-methyl-6-methylthio-5-nitropyrimidine, reduced with Raney Ni to the 5-amino analog, m. 110°. XVIII added to Na₂S₂OH₂O in H₂O and heated on a steam bath. The soln. was neutralized with AcOH and the crude 5-amino-4-methyl-2,6-dimercaptopyrimidine was redissolved in NaOH and Me₂SO₄ was added with stirring at 10-15° to yield 5-amino-4-methyl-2,6-di(methylthio)pyrimidine, m. 75°. 5-Amino-2,6-di(ethylthio)-4-methylpyrimidine was prepd. in the same manner, using Et₂SO₄. Na₂S₂OH₂O added to XX, heated to 70°, and neutralized with AcOH, yielded 4-benzylmethylamino-2-mercapto-6-methyl-5-

L16 ANSWER 60 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 nitropyrimidine, m. 198°. Addn. of Me₂SO₄ to the mercapto compd. afforded 4-benzylmethylamino-6-methyl-2-methylthio-5-nitropyrimidine, m. 90°. Reduction with Raney Ni yielded the 5-amino analog which on treatment with Ac₂O formed the 5-Ac deriv., m. 102°. NaNO₂ added to a soln. of XIX in HCl was cooled in ice and NaI in H₂O added to yield 2-dimethylamino-6-methyl-1',2',3'-triazolo[5',4',4,5]pyrimidine 1'-methiodide, decomp. 140°. XXI was reduced in BuOH with Raney Ni. AcOH and H₂O were used to dissolve the diamine. The product, after filtration and concn. was diazotized with NaNO₂ to yield 1,6-di(6-dimethylamino-1',2',3'-triazolo[5',4',4,5]pyrimid-1'-yl)hexane, m. 183-4°.

10524995.trn

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

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	ENTRY	SESSION
FULL ESTIMATED COST	347.50	525.66
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